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VAUGHAN'S SEED STORE

CHICAGO

31-33 WEST RANDOLPH ST.

ONLY HALF THE PLEASURE OF A GARDEN IS IN ITS BEAUTY—THE OTHER HALF IS IN ITS TENDING

Suggestions to Customers in Ordering from this Catalogue

A reading of the following will prove an aid to you and to us;

Early Orders: Our rush season comes in the months of March and April. Orders sent at once secure prompt shipment from our full stocks.

How to Order: ***Write your name,*** postoffice, state and express office plainly with black ink, on every order, and every time you write to us. Give plain express, mail or freight directions; where none are given, we route the same at buyer's risk.

Use Order Sheets: The use of our order sheets enclosed in this catalogue is a great help to us in facilitating filling and shipment of orders. One order sheet is for seeds and bulbs, the other for plants, shrubs and trees. Instructions for use are on the sheets. More will be sent on receipt of a postal asking for same.

Vegetable Seed orders should plainly state quantity before the name of the variety.

Flower Seeds may be ordered by number, always giving quantity.

Plant orders should give ***quantity, variety*** and ***size.***

Keep a Copy of your Order: Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with other goods or notice sent.

Mistakes: These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Orders are Promptly Filled: Or in case of delay, notified by postal card. If you do not hear from an order sent us, within a reasonable time, send us a duplicate order covering date of order, amount of same and form of remittance, your name and full address. If you cover these points in your first letter, a long delay is often saved in tracing.

Plant, Tree and Small Fruit Orders Must Amount to $1. We cannot afford to fill orders of less amount than one dollar, unless in addition to the amount for plants wanted, ten cents is sent ***This Does Not Apply to Seed Orders.***

Freight or Express: All express lines in the United States and Canada carry seeds and plants at the special reduced rate of 20 per cent less than general merchandise rates. On moderate sized orders we advise express shipment rather than freight.

Our Terms: Are strictly cash with order. We prefer not to send C. O. D., but if wanted by that method customers should enclose ¼ of the amount in remittance with order.

How to Send Money: Send cash with order (as we do not open book accounts for small amounts, and can only send to the value of money received), by New York or Chicago Draft, Registered Letters, or Post-office or Express Money Order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. If local checks are used 25 cents must be added to cover the cost of collecting. Make money order payable to "Vaughan's Seed Store."

Our Responsibility: It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves. Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned. See below.

We wish it understood that all our seeds sold under the following general non-warranty:

We do not warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S SEED STORE, Incorporated.

CHICAGO
31-33 W. Randolph St.

VAUGHAN'S SEED STORE

NEW YORK
25 Barclay Street

Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill.

Please read "How to Order" (in front of catalog,) before ordering, and save all misunderstanding.

ORDER SHEET TO VAUGHAN'S SEED STORE.

25 Barclay Street, NEW YORK. 31-33 W. Randolph Street, CHICAGO, ILL.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

NOTICE.—We do not warrant in any way, express, or implied, the contents, or the description, quality, productiveness, or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale, at the moderate prices at which we sell our goods. Vaughan's Seed Store.

VERY IMPORTANT.—Write your name very plainly, and give your Post Office, County and State in full every time.

Your Name.....
(VERY PLAIN.)

Post Office.....

County..... State.....

Street, P. O. Box or Rural Delivery.....

Express Office {If different from P. O.}.....

Gardener's Name.....

Date..... *1913*

AMOUNT ENCLOSED.

LOOSE MONEY IS NOT SAFE.
State how much money you enclose.
Make money orders or checks payable to Vaughan's Seed Store.

Money Order - $.....

Draft or Check - $.....

Postage Stamps $.....

Cash - - - $.....

Our Order No.

Please do not write here.

Please forward goods by {Mail, Freight or Express.}.....

OUR PRICES INCLUDE POSTAGE on Packets, Ounces, Quarter-Pounds and Pounds of VEGETABLE and FLOWER SEEDS; also on PLANTS and BULBS, EXCEPT WHERE NOTED.

OUR PRICES DO NOT INCLUDE POSTAGE on Pints, Quarts and larger amounts of Beans, Peas, Sweet and Field Corn, nor on amounts larger than one pound, except where it is marked otherwise.

Bush.	Qts.	Pints.	Lbs.	Ozs.	Pkts.	NAMES OF ARTICLES WANTED. (Use Special Order Sheet for Plants.)	PRICE.	

PLEASE CARRY OUT THE PRICE OF EACH ITEM.

"BY FREIGHT OR EXPRESS" always means that transportation charges are to be paid by the purchaser.

[OVER]

☞ We will consider it a special favor if you write below the names of some of your friends who are likely to use seeds or plants. ☜

NAMES.	POST-OFFICE.	COUNTY.	STATE.

Bush.	Qts.	Pints.	Lbs.	Ozs.	Pkts.	NAMES OF ARTICLES WANTED. (Use Special Order Sheet for Plants.)	PRICE.	

Filled by.................... *Checked by*.................... *Packed by*....................

Shipped via.................... *Style of pkge*....................

Date.................... *Book*....................

WITH the returning tide of spring comes the robin, the crocus and—the seed catalogue; nor is the last the least gladsome and attractive of the three. Many of the other landmarks of spring are passing incidents, but the seed catalogue is to the initiated the evening's study as the winter days are lengthening and warming for the growing season.

But not alone to the initiated, the farmer, the gardener, and other growers, is the seed catalogue the harbinger of a welcome season, but to the semi-professional trucker, and the amateur, whether flower lover or thrifty householder, the seed catalogue, like the robin's call, sounds the return of the world to life.

Here in these pages we offer to all the world all there is of growing things

Our own growing operations are extensive and cover the horticultural field more thoroughly perhaps than any other American firm. Our own Nursery, Greenhouses, our trial ground and farms in Michigan and Illinois keep us in direct touch with all the practical questions which come before our customers. We can thus advise and counsel in a way no mere merchant or less experienced organization can. Where we do not actually grow our own seeds, plants or bulbs, our contracts are made based on our experience of thirty-six years with growers whose reliability we have verified time and again by inspections and trials and in many cases our specialties are grown exclusively for us from our own stock seeds, bulbs and plants, and the entire crops are directly under our control.

Of no other firm can you ask, as of us, for any and everything necessary for the field, nursery, garden or hothouse, and the Vaughan name and reputation backs their quality.

A three months' trip abroad by one of our firm has added many novelties which expert plantsmen and seed growers have recently introduced—several of which are here offered for the first time in America.

COPYRIGHT 1913, BY VAUGHAN'S SEED STORE

VAUGHAN'S NOVELTIES and SPECIALTIES in VEGETABLE SEEDS

DURING 36 years in the seed business our energies have been directed towards the securing of good seeds, the finest varieties and the truest stocks. Persistence in this work has earned for Vaughan's Seed an immovable confidence with the great multitude of planters who annually come to us as to their own store for supplies. To realize we receive this confidence is, we assure you, our friends and customers, a very large and most cherished part of our compensation.

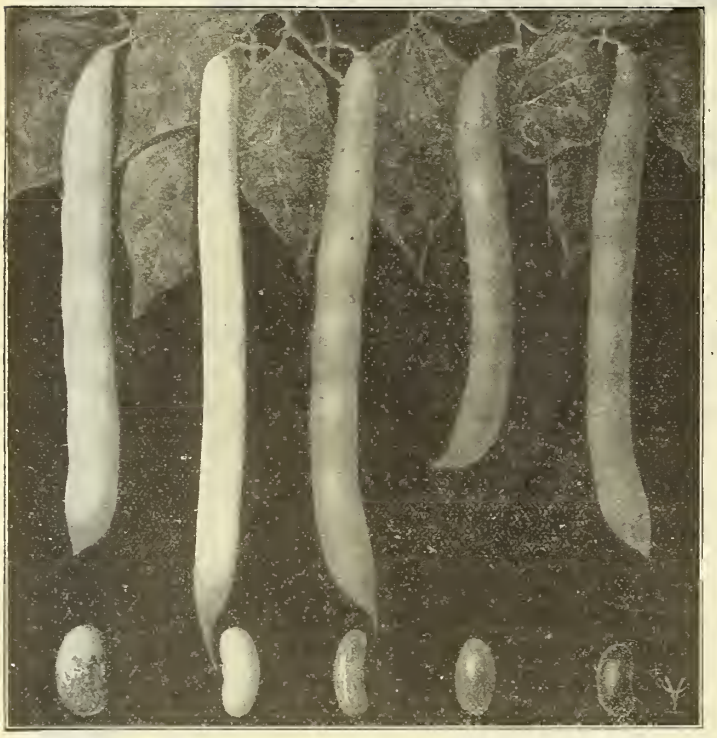
That our persistent and constant success in offering improved strains of standard varieties and from time to time introducing new ones, meets with the requirements of planters and gardeners, is due to the honest effort on our part to supply the best. We never rest content with what we have already accomplished; we are super-critical and will not be satisfied with less than the ultimate in good seeds. Last year better than the year before, this year best of all.

We have always laid great stress on what our seed produce; that "bug-a-boo," the worry of the amateur planter, "Seeds that don't grow," is becoming each year less and less a factor. Nowadays with improved laboratory methods every up-to-date seedsman knows almost exactly how each seed grows which he sells. Every lot of seeds which Vaughans Seed Store sells has been tested before the planting season, and in many cases every month in some way, so that we know it grows. Seed of poor growth is always rejected.

We call attention to novelties in the first pages of our annual catalog under the caption Novelties, Specialties, Improved Sorts. They have been thoroughly tried out in our trial grounds and represent latest improvements and developments along certain lines in the promotion of higher standards of quality. We commend them to you and believe them to be in the highest degree worthy your consideration. Vaughan's Seed Store will not sell seeds nor recommend any that have failed to pass successfully through the several test trials, observed under the closest scrutiny and their character and quality become thoroughly known to us. The sources of our seed, our farms and trial grounds, secure to us the best product of the different agricultural zones of the United States. We are thus able to supply seeds to growers suited to their respective climates. We are also enabled by the broad range of our activities to give correct, reliable, exact information with the seeds we supply, which we do free of all cost.

For these and numerous other reasons we have the confidence and patronage of the largest number of successful planters in the United States, with our foreign trade growing every year.

Vaughan's Specials are marked in catalog with the sign opposite. Varieties so marked possess these vital qualities: **Cleanliness, Germination, Vitality, Vigor, Trueness to Type.**



Beginning at the left: (1) Wardwell's Wax; (2) Davis Kidney Wax; (3) Longfellow Green Pod; (4) Stringless Green Pod and (5) Black Valentine, types from nature of a few Vaughan's Special Beans, our own breeding and growing in Central Michigan.

THREE NEW POLE BEANS

"THE PEARL" for "Brushing"

Pole Beans are the most prolific of all beans and the most economical to plant in small yards on account of the small ground space they occupy. In many places, however, it is difficult to procure poles and there this type fills a long-felt want, since brush such as is used for the taller peas is sufficient for its needs. It is extraordinarily prolific; pods long, 3 to 4 beans per pod. The beans are white and so are valuable for dry-cooking.

Pkt 10c, ½ pt 25c (postpaid 30c), pt 45c (postpaid 53c).

PHENOMENON POLE BEAN

The pods of this remarkable new sort are very long, dark green and of excellent flavor. The pods are produced in prodigious quantities, surpassing any other Pole Beans. The seeds are white. Season early. **Pkt 10c, 3 for 25c.**

FILL BASKET

Pods are green, very long and meaty, extremely productive, of excellent quality. **Pkt 10c, 3 for 25c.**

BEANS—"A Few Vaughan's Specialties"

The illustrations from nature of five kinds of beans on this page represent the types of the popular market garden beans—beginning at the left (1) Wardwell's Wax, (2) Davis Kidney Wax, (3) Longfellow, (4) Stringless Green Pod and (5) Black Valentine, toward which we have been re-selecting and breeding up our stocks for the past six years on our farm in Central Michigan. As a result of this work we are able to offer our customers strains of beans we know to be right. We offer similar fancy strains of the following other sorts: Earliest Red Valentine, Extra Early Refugee, Refugee or 1,000 to 1, Improved Golden Wax, Currie's Rustproof Wax, Hodson Wax and Round Pod Kidney Wax.

The superiority of our stocks of Beans is based on the following points—**Trueness to type**; every field carefully cleared of "off" plants; chance mixtures in threshing eliminated; we are "line breeding;" **Vigor**, our seed is almost free from blight or anthracnose. **Sample**—we put more expense on cleaning and picking our beans than does any other firm.

See pages 18 and 19 for further descriptions.

Wardwell's Kidney Wax. Pkt., 10c; Pt., 20c (by mail, 28c); Qt., 35c (by mail, 50c); by express, Pk., $2.00; Bu., $7.50.

Davis Kidney Wax. Pkt., 10c; Pt., 20c (by mail, 28c); Qt., 35c (by mail, 50c); by express, Pk., $2.00; Bu., $7.50.

Longfellow. Pkt., 10c; Pt., 20c (by mail, 28c); Qt., 35c (by mail, 50c); by express, Pk., $1.50; Bu., $5.50.

Stringless Green Pod. Pkt., 10c; Pt., 20c (by mail, 28c); Qt., 35c (by mail, 50c); by express, Pk., $1.90; Bu., $7.00.

Black Valentine. Pkt., 10c; Pt., 15c (by mail, 23c); Qt., 30c (by mail, 45c); by express, Pk., $1.50; Bu., $5.50.

NEW STRINGLESS REFUGEE GREEN POD

In this strain, **New Stringless Refugee**, we offer a meritorious bush bean, of splendid quality, especially useful for canning. The almost round, broad, handsome pods are entirely stringless, very fleshy, tender, brittle, over 5 inches in length and have a beautiful light-green color, which they retain when canned. The vines, which are very prolific, grow 18 inches high and are of true bush type. For canning factory purposes this bean is not equaled, being entirely stringless and fadeless; they retain all the fine qualities desired in canned beans, in the highest degree of superiority.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), pk $1.75, bu $6.50.

FULL MEASURE GREEN POD BEAN

A new main crop season variety; this supplies a long felt want for a **Stringless Round Green Pod Bean.** This is a bush bean, and although somewhat later than stringless green pod, when it is planted with that sort it will yield a crop when the earlier variety has just ceased to bear. Being a **round** pod instead of a flat pod, it is held much in preference to the latter by planters. The vines of this variety are strong and very productive; the pods are perfectly round, without any string, about five inches long, quite straight, firm, tender and of the best flavor. **Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), pk $1.75, bu $6.50.**

PLYMPTON, near Adelaide, South Australia.

I would like to say that I am very much pleased with the seeds you sent me. I have been getting seeds for many years from different firms in Australia, Europe and America. I can assure you that I prefer your seeds to all others.

J. Earnest Padman.

Not Lowest Price

NEW BEAN SPECIALTIES

But Best Seeds

Showing relative size; Davis wax on the right; Wardwell's wax in the middle and Monster Stringless on the left.

VAUGHAN'S MONSTER STRINGLESS WAX

Illustrated on this page, side by side with two well known and splendid varieties of wax beans, is **VAUGHAN'S MONSTER STRINGLESS WAX.**

From left to right, of the illustration, they are arranged as follows: Vaughan's Monster Stringless, Wardwell's Wax and Davis Wax. So far as size is concerned the illustration is fully explanatory.

So far as other features are concerned, we have this to say: **Vaughan's Monster Stringless Wax** has no superior as to **quality** and **flavor.** It is so stringless and tender (without any linen in the pod) that it can be used on the table up to the time the bean is almost ripe. Its color is a light handsome yellow, a color which it assumes almost from its setting. In size it is the largest of all Bush Beans; about half an inch thick and 5 to 8 inches in length. In addition to its superior quality and size, Monster Stringless Wax is early, being within a couple of days of the popular early "Wardwell's Wax." Unlike its parent, Yosemite Wax, it matures its beans evenly and well together. As to location this variety does its best on the rich prairie soils of the West. This strain shows up well at exhibitions where its superiority can be seen by comparison. It is unsurpassed for private gardens.

Pkt 10c, pt 25c, (by mail 33c), qt 45c (by mail 60c), pk $2.50.

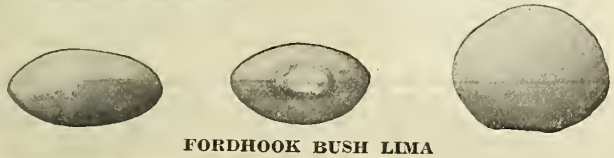
OUR KEY TEST For several years all our seeds have been tested for vitality in damp blotters, using in each collection a proven samole of a similar variety whose germination is positively known to us as a key. By this plan we prove the correctness of the test and are sure of the real percentage of growth.

FORDHOOK BUSH LIMA

Bred from the old Kummerle or Dreer Bush Lima. This potato lima is a strain greatly superior to its original sources. In habit of growth this new variety is stiffly erect, the older kinds grew low and spready and in contact with the ground often became discolored, which was detrimental to them. This is early in season; the pods are double the size of the Kummerle Bush Lima, and contain 4 or 5 large beans, each much greater in size than those of the old sort. The quality of the fine green beans is tender, juicy and sweet, a great contrast to the dry mealy beans of the old variety.

Pkt 10c; pt 35c (by mail 43c), ½ pk $1.75, pk $3.25, bu $12.00.

BURPEE IMP.



FORDHOOK BUSH LIMA

NEW GREEN-SEEDED POLE LIMA "CARPINTERIA"

THE MOST PERFECT POLE LIMA BEAN

As an example of exceptional merit in Pole Lima Beans we show a good illustration of a new-green-seeded Pole Lima—CARPINTERIA. This is termed the "most perfect Pole Lima" bean because of exceptional distinctive features. The **green color in Lima Beans** being indicative of **fine quality,** the variety we are now considering possesses fine quality to an unusual degree. This handsome **green tint** is retained longer in this variety, in either dry or ripe state, than any other Pole Lima Bean. Carpinteria is as prolific as any White Lima. The vines are very strong, vigorous in growth, with many large runners or branches on which are produced an immense quantity of pods, filled with three to four, usually four, large broad beans. The seed or bean being broad, and every bean being nearer perfect in this than in any other Pole Lima, justifies the popularity which this variety is rapidly attaining.

Pkt 15c, pt 25c (by mail 33c), qt 45c (by mail 60c), 4 qts $1.50, pk $2.50.

KENTUCKY WONDER WAX

Holds a place amongst Wax Pole beans that is in every respect associated with superior quality. Its habit of growth is similar to that of Old Kentucky Wonder Green Pod. It is very prolific, beginning to bear when scarcely higher than the average bush bean, and keeps on producing until killed by frost. The pods are beautiful, golden yellow and so fleshy that they often are greater in thickness than in width. When cooked they have a most delicious rich flavor and are entirely stringless. This variety has a combination of Wax Bean excellence not to be surpassed.

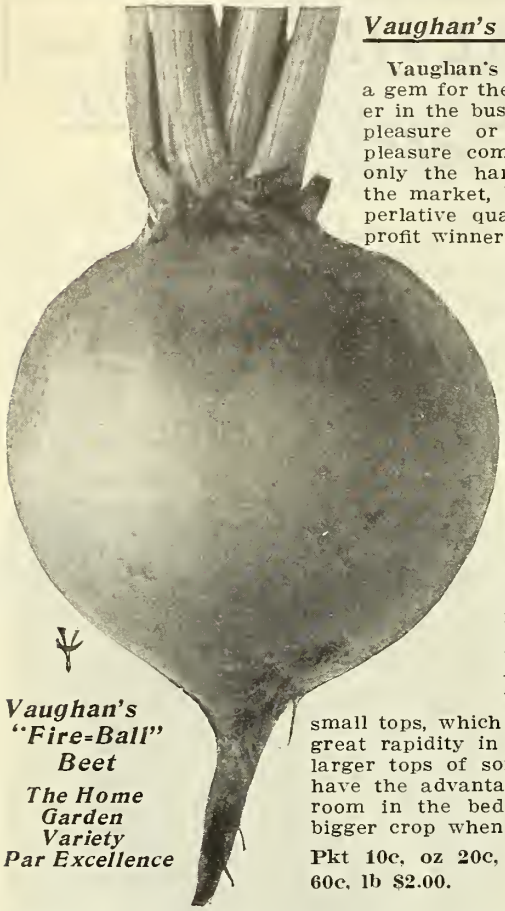
Pkt 10c, pt 25c (by mail 33c), qt 40c (by mail 55c), by express ½ pk $1.10, pk $2.00.

Carpinteria Pole Lima (Natural Size)
The Most Perfect Pole Lima Bean

Burpee's Improved Bush Lima

Best of the large seeded Bush Lima Beans. Compared with the New Wonder, the vines produce more and larger pods; they are also proportionately thicker and longer. This is also a week earlier than the "New Wonder" or "Burpee's Bush Lima"; the quality, too, is excellent. The illustration represents an average size bean. These essential features of a good Bush Lima, good cropper, early, large pods and fine quality beans, commend themselves to gardeners who plant Bush Lima Beans.

Pkt 10c, pt 35c (by mail 43c), qt 50c (by mail 65c), ½ pk $1.75, pk $3.25, bu $12.00.



Vaughan's "Fire-Ball" Beet

The Home Garden Variety Par Excellence

Vaughan's "FIREBALL"

Vaughan's **"Fireball" Beet** is a gem for the gardener whether in the business for only the pleasure or for profit and pleasure combined. It is not only the handsomest beet on the market, but is also of superlative quality and a sure profit winner. It is early, seasoning with "Crosby's Egyptian," of globe shape and in color a beautiful, deep rich red, with fine smooth skin. The color is by far the richest dark red in the early beets. The flesh is solid and very sweet. Our market garden customers who cater to a fancy trade find large and quick sales at high prices for this exceptional beet. The very small tops, which do not permit as great rapidity in bunching as the larger tops of some other kinds, have the advantage of taking less room in the bed. This means a bigger crop when space is limited.

Pkt 10c, oz 20c, 2 oz 35c, ¼ lb 60c, lb $2.00.

Coldwater, Mich.—I grew Ailsa Craig Onions from your seed sown in hot bed, the majority of which weighed ¾ pound, and which far excel in sweetness and tenderness any Onion I have ever grown. IDA D. BENNETT.

Rockford, Ill.—Your Magnum Dulce Pepper is the finest I ever grew or sold. EMMETT ORR.

CHICAGO GIANT SELF-BLANCHING CELERY

NEW CARROT LONDON MARKET

This carrot is quite distinct and has several good and new qualities. In the first place, it is the most delicious of all carrots surpassing the Nantes. It has a depth of color hitherto not seen in carrots, the texture of its flesh, while solid and crisp, is most tender, and is without the pithy heart found in most large-growing varieties. In size and shape it resembles the Danvers.

Pkt 10c, oz 25c, ¼ lb 75c.

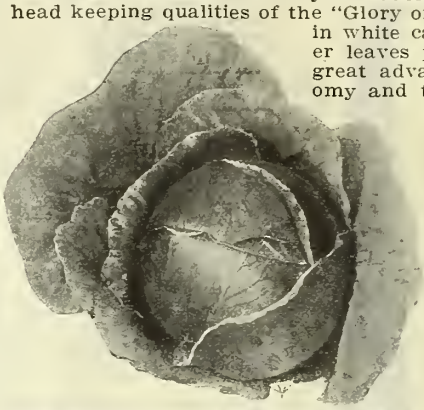
CHICAGO GIANT SELF-BLANCHING CELERY

Superior to all other Extra Early White Celeries. Can be sown in **February** and **marketed** by **July 1st.** This is a real business builder for the market gardener, for the reason that it is a luxury at the season of the year when it pleases and gratifies customers who buy it. It is very vigorous growth, which fact gives it a tendency to throw a small percentage of off plants; but we are sparing no expense to keep it at top notch of quality. It is the whitest early celery; it is crisp, brittle, tender, very sweet and has a delicious nutty flavor that is superior to any other on the market.

Pkt 10c, ½ oz 20c, oz 35c.

VAUGHAN'S BLACK DIAMOND CABBAGE

Second early, hard heading, black-red cabbage—and the best. Medium size with only two outer leaves; it has the hard-head keeping qualities of the "Glory of Enkhousen," a like sort in white cabbage. Having few outer leaves permits close planting, a great advantage as well for economy and the compactness of your garden. Excellence of quality is its strong recommendation, in Europe where this variety originated, it is popular for the reason that its flavor, combined with its earliness and keeping qualities, make it the most salable and profitable red cabbage for market use. Highly desirable for the house or market garden.



CABBAGE—VAUGHAN'S BLACK DIAMOND

Pkt 10c, ½ oz 20c, oz 30c, ¼ lb $1.00. lb $3.50.

COPENHAGEN MARKET

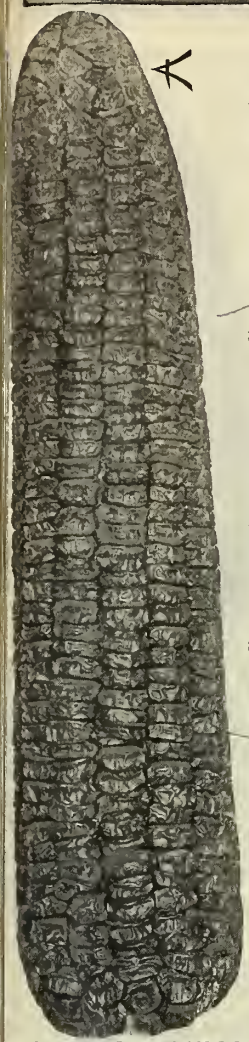
The illustration above is a good representation of a splendid new early cabbage, one our customers should not overlook. It is the earliest large round or flat-headed sort. The ripening is early and uniform, maturing at one time and almost with Early Jersey Wakefield (oblong head). Considering its early season the heads are remarkably large, averaging ten pounds in weight. One of its chief features is compactness; its leaves, which are light green, are round, dish-shape and fold tightly together in remarkably compact and solid form; it is so solid that many more plants can be grown on an acre than is possible with most sorts. It has few outer leaves, which permits close planting, and it grows close to the ground on a short stem. The entire crop can be harvested at one time and thus clear the field for other crops. In quality is exceptionally good; earliness, ripening at one time, compact growth, large heads and high quality are features which have made this cabbage a standard in three years' time. A trade holder and a high money maker for the market gardener.

Pkt 10c, ½ oz 30c, oz 50c, 2 oz 90c, ¼ lb $1.60, lb $6.00.

COPENHAGEN MARKET CABBAGE—The Best Early Flat Head Sort

Seeds are different from other merchandise. The real value of seeds can only be known after months of labor. Buy your seeds of a reliable seed house with a reputation back of it. Seeds of real merit must be grown and sold by practical, trained seedsmen, with a reputation made and to be maintained.

Lake Forest, Ill.—I wish to say in commendation of your celery, "Chicago Giant," I find it earlier, bigger and better in every way than the White Plume and not nearly so liable to go to seed, which is quite a consideration in celery. Out of 500 plants 3 went to seed and 14 were off color. JOHN TIPLADY.



BANTAM EVERGREEN

NEW SWEET CORN—EARLY IOWA

This variety is, we believe, the earliest which produces ears of marketable size. It is earlier by a week than the regular strains of Early Red, Early White, or Mammoth White Cory. It is a real Sweet Corn of excellent quality. The illustration gives a good idea of size and evenness of the rows of kernels. The ears are eight rowed and are usually two to a plant. The stalks are short with little foliage.

Early Iowa has been given a thorough trial by our customers and ourselves, especially through the Middle West, and we have found no Corn now in the market to equal it in the combination of earliness and size.

Vaughan's Special The variety originated in Iowa, where its breeder is always in the market a week or ten days ahead of competitors. **Pkt 10c, pt 20c (by mail 25c), qt 35c (by mail 45c), by express 2 qts 50c, 4 qts 90c, pk $1.60.**

EXTRAORDINARY SWEET CORN NOVELTY—BANTAM EVERGREEN

A true Bantam variety, yet of good size—having the combined merits of Golden Bantam and Stowell's Evergreen; Golden Bantam, the new early quality sort, Stowell's Evergreen, the grand old favorite main crop variety. Bantam Evergreen is a result of crossing these two sorts by the most expert corn breeder in New England where most of our sugary Corns originate.

According to Mendel's Law of Breeding, when two varieties are crossed one-half will show combined characteristics of both kinds, one-fourth will resemble the one variety and one-fourth the other variety.

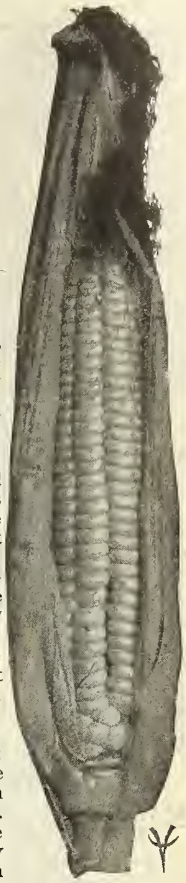
Of the half which shows the combined characteristics of both these sorts, part tend to be white and part yellow. Both these shades are now being developed—but ours is the yellow or golden strain. Like any other new variety, this strain will have to be bred, selected and reselected for several years for the type to become fixed. At present the kernels are of various shades and sizes, natural reversions to the parent strains.

Only customers of Vaughan's Seed Store will have an opportunity to test this wonderful variety this year. We will give one packet free with every order for vegetable seeds amounting to $1.00 or over, or if bought separately 15 cents per packet—but only one packet will be given or sold to one customer.

Unlike former large yellow sorts, this Corn is pure quality; also the ears are just the right size to serve cobs whole on the table. It is a second early sort. Nothing like it sold by gardeners. Try it. Get ahead of your neighbors—show them something different.

GOLDEN CREAM (*A cross between Country Gentleman and Golden Bantam*)

A new sweet corn of California origin, and described by the growers as follows: Golden Cream is a very early yellow "Country Gentleman" sweet corn. The kernels are long and pointed; the cob is very slender and the whole ear about as long as "Golden Bantam." The flavor is remarkable, in fact, very much the same as Golden Bantam. The habit of growth is rather dwarf and the stalks bear two to four ears. The stalks are brownish-red and the silk is also brown at the top. This new corn is bred from "Country Gentleman" and "Golden Bantam," the characteristics of both of these being evidenced in the new strain. The variety is not yet fixed as to type, but much better than last year when we offered it for the first time. **Pkt 10c, pt 20c (by mail 25c), qt 40c (by mail 50c)**



EARLY IOWA

MALAKOFF

The earliest real sweet corn. The ears are small, but under general conditions there is no other variety as early. The quality is excellent, far superior to the Cory's. **Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), by express 2 qts 45c, 4 qts 80c, pk $1.50.**

HOODOO *The "Money Melon"*

This has never been a hoodoo for those who grow it. On the contrary, a better melon everywhere than the Netted Gem (or Rocky Ford). It may well claim the name HOODOO as indicating the effect it has on other melons. When a prime consignment of this one strikes a good market all the other kinds are promptly hoodooed.

It is the triumph of the grower in breeding for these points—uniform size, closeness of netting, roundness of form, tough rind, blight resisting. It retains the high quality of the Paul Rose, its parent. A grand shipper to distant markets.

Quality—The flesh is of fine grain (not stringy) and of the sweetest flavor. HOODOO melons from Michigan points bring the highest prices on the Chicago market, in competition with the whole United States.

Size and Shape—The size of HOODOO is just right (about the same as Rocky Ford) so that it may be served cut in halves. In shape somewhat more round than the Rocky Ford Gem, a fine feature in packing for shipment.

Flesh and Color—The flesh is of deep orange color and extremely thick, there being only a small seed cavity.

As a Shipper—The netting is ideal, heavy and close; the melon solid and heavy and firm at the blossom end. It is absolutely without a superior in shipping to distant markets.

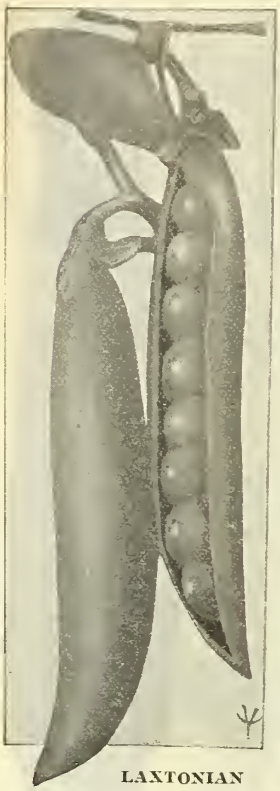
Prolific—A wonderfully prolific melon, which nearly always even under unfavorable conditions produces a fine quality melon quite early in the season. It also withstands blight much better than other varieties. **Originators' stock, pkt 10c, oz 25c, ¼ lb 70c, lb $2.50. Regular stock, pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 30c, lb $1.00.**

Morrill's Re-selected Strain Hoodoo

A reselection made in the Benton Harbor district, a trifle better shipper and more prolific. **Pkt 10c, oz 30c, ¼ lb 75c, lb $2.75.**

DAVIS PERFECT CUCUMBER

Davis Perfect best fulfills the requirements for the extra long White Spine Type. A veteran cucumber grower made the original selection, and the most desirable features, length, slimness, and dark green color, are combined in this strain, together with extreme vigor in growth ,and great productivity. Its remarkable vigor makes it a better blight resister than other long sorts. In popular favor it stands pre-eminent among extra long white spine cucumbers both for indoor and outdoor planting. Our seed has been most carefully selected under our supervision, and we offer a more uniform strain each season. **Pkt 10c, oz 20c, ¼ lb 50c, lb $1.50. Stock seed, pkt 15c, 2 for 25c, oz $1.00.**



LAXTONIAN

LAXTONIAN PEA—"The New Dwarf Gradus"

The **tall, extra early,** Gradus pea, with its **large telephone-like pods** and its **exquisite flavored** peas is one of the most popular of all peas. In Laxtonian we have a dwarf type of the Gradus with the same large pods—a **few days later** in season but on the other hand **requiring no supports**—and the **same superlative quality peas.** This new Dwarf Pea is the **largest podded** of all the early dwarf peas and requires **no supports of any kind.** Laxtonian almost makes for itself a new class of garden peas—Giant Podded Early Dwarfs.

This new pea ripens in season a few days later than the first earlies, the pods are as large as Telephone and well filled with **eight to ten large and delicious peas.** We were the first American firm to offer Laxtonian and our seed has been grown in America the past few years under our direct supervision. The American Seed is far more vigorous and productive than English Stock. **Pkt 10c, ½ pt 15c (by mail 20c), pt 30c (by mail 38c), qt 55c (by mail 70c).**

NEW DWARF PEA—LITTLE MARVEL

Little Marvel is bound to take rank as the first amongst the early dwarf varieties. This pea is a great improvement over Nott's Excelsior and American Wonder, but the pods are larger and usually contain one or two more peas. It has two most important features not possessed by the others, the pods are dark green instead of light, which makes them more handsome, and when the peas are ready to be gathered for the table they remain in fine condition for a week longer than "Notts" or "Wonders," which have to be eaten within three days when ripe or they become tough and dry. The pods are completely filled almost to bursting with luscious, sugary peas of finest flavor and best quality, borne on vines that are vigorous and wonderfully prolific.

Pkt 10c, pt 25c (by mail 33c), qt 45c (by mail 60c), 4 qts $1.50, pk $2.75.

PEAS, VAUGHAN'S BEST EXHIBITION

A variety slightly later in season than Telephone. Vines tall and should be brushed or trellised. The pods are the largest we have ever seen grown. They contain 8 to 10 peas of the very best flavor. In trial with some fifty other kinds of tall peas VAUGHAN'S BEST EXHIBITION produced the largest and handsomest pods of any. **Pkt 10c, ½ pt 20c (by mail 25c), pt 40c (by mail 48c), qt 55c (by mail 70c).**

LITTLE MARVEL

Seeds for Special Purposes

Are you looking for Vegetable or Flower Seeds that will meet some specific purpose you have in mind? It will help you to consult the page of Vaughan's Special Purpose Collection on inside back cover, opposite page 160.

RADISH VAUGHAN'S OLIVE CRYSTAL

This variety belongs to the Summer Radish class so well known to and liked by the Germans under the name May Radishes. Vaughan's "Olive Crystal" is the sweetest of all summer Radishes. Our illustration shows the type well; note the smoothness and clearness of skin, giving it a great advantage in beauty over such summer sorts as Stuttgart and Strassburg. Outside of its looks Olive Crystal has quality; the flesh is as sweet as a nut, entirely without the sharpness so often found objectionable in varieties of the same class. In shape it is that of an olive and the size of a walnut.

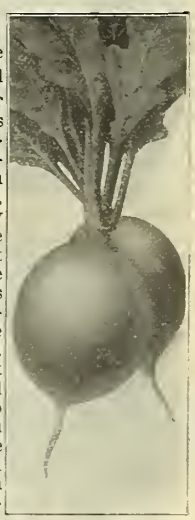
Those who like the Sweet Radish will find in this one that which is really ideal in a fine variety of the quality. This new sort matures early, grows a very small top and has a very small tap root. An added feature is that it may be planted early without running to seed. All of our trials and reports from our customers prove that it is most worthy of a place in the home garden.

Pkt 10c, oz 15c; ¼ lb 35c.

RADISH, OLIVE CRYSTAL

CARDINAL FORCING

Of all forcing radishes of the globe shape, "Vaughan's Cardinal Forcing" carries the palm for handsomeness. In marketing this is a most important factor. Compared with Scarlet Globe, "Cardinal Forcing" runs more even in shape, is of a richer dark red color, of slightly larger size, and is ready for market three days earlier. The flesh is firm, crisp, of the finest quality and seldom pithy. These excellent qualities have given this variety a deservedly great popularity in the short time we have been offering this strain to growers. Good appearance is the biggest half of selling most articles, and when splendid quality backs up what the appearance suggests, you have a business winner sure. The crisp brittleness of this radish gives real pleasure to eating. On account of its remarkable brittleness, this radish sometimes cracks, which is not, however, a serious defect. Its short leaves require little space on the market. It excels the Scarlet Globe in popularity and market price. It is best of all for early sowing in the home garden. **Pkt 10c, oz 15c, 2 ozs 25c, ¼ lb 35c, lb $1.25.**



CARDINAL FORCING

RADISH, GIANT BUTTER

NEW FORCING RADISH GIANT BUTTER

A NOVELTY OF STERLING MERIT

This is by far the largest of the early, turnip, forcing radishes, exceeding in size even the Crimson Giant or Wurzburger. By careful selection, Giant Butter has been bred true to type so that there is almost no deviation from its fine round shape. In color it is vivid scarlet. A most desirable greenhouse or hot bed variety for forcing—the tops are extremely short and the tap root is small. The quality is unexcelled, tender, crisp and does not become hollow or pithy. **Pkt 10c, oz 20c, ¼ lb 50c, lb $1.40.**

Radish Sakurajima A Japanese radish of immense size; some single specimens of this variety weigh as much as 15 pounds. In shape it is oval, with cream colored skin and pure white flesh. The roots are cooked like turnips, but no strong taste accompanies them, such as is frequently present with cooked turnips. The plants should be thinned out to from 12 to 15 inches apart in the rows, so as to admit of full development; must be sown in May; takes whole season to develop roots.

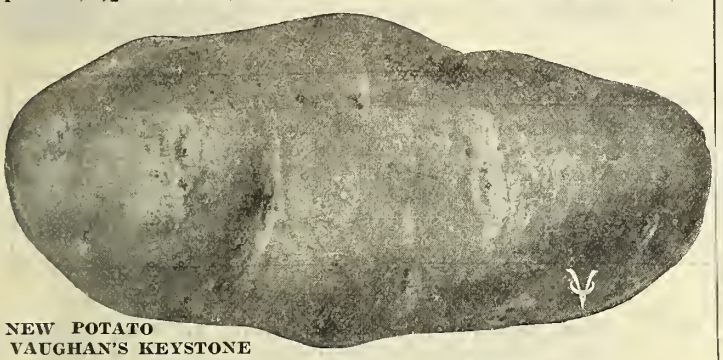
Pkt 10c, oz 15c, ¼ lb 35c, lb $1.25.

CALLA ELLIOTIANA

The beautiful golden yellow calla lily; blooms second year from seed. Place your order now. **25 seeds 25c.**

VAUGHAN'S KEYSTONE

The tests that demonstrate the value of potatoes have been applied to this variety we have called the "Keystone." It is a pure white, main crop potato, now on its way to popularity as a standard variety. It has three important requisites for a successful potato: prolificness, quality, and handsome appearance. In different soil conditions and alongside of standard and new sorts, for a number of years, Vaughan's "Keystone" has yielded as well as any, and better than most sorts. The tubers are pure white (not the brownish white of most varieties). They are long and slightly tapering; the skin is finely netted (a sure sign of quality), and the flesh marble white, fine grained and dry. In habit of growth the vine is bushy, rather than tall, and does not spread or recline in the rows, therefore late cultivating may be practiced without injuring the plants. The strain originated as a seedling from that grand parent of notable sorts, Carmen No. 1, and possessing the excellent qualities of the parent, is establishing a reputation for itself among growers as a main crop variety to be figured on when potatoes are considered. **Price by freight or express, ½ pk 40c, pk 70c, ½ bu $1.00, bu $1.75, bbl (165 lbs.) $1.60.**



NEW POTATO VAUGHAN'S KEYSTONE

TOMATO "BONNY BEST"

Intense scarlet is the color of this very fine variety of tomato. It is a few days later maturing than Earliana, but the fruits run larger, nearly all of which are marketable. Smoothness of skin and uniformity of size are characteristic of this sort, it is scarcely possible to find a rough one. As a profit maker it may be planted wherever Earliana is profitable. As a variety for the home garden it is not surpassed.

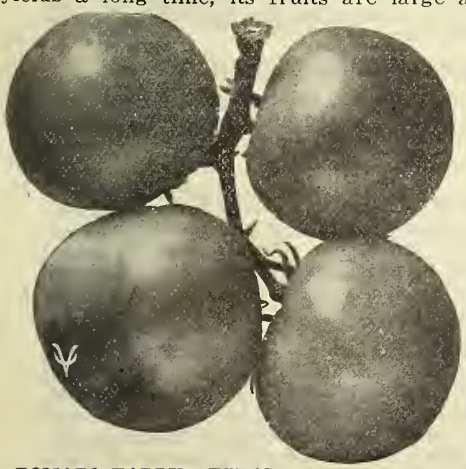
Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 80c, lb $2.75.

NEW TOMATO EARLY DETROIT

The equal, if not the best, of any second Early Purple Tomato yet introduced. Some of the markets, like Chicago, demand a purple colored tomato; Early Detroit fills the bill. It is a variety maturing medium early in season, having the remarkable feature of bearing uniform, large, handsome, smooth fruits through the long season, yielding in the aggregate even more marketable tomatoes than the Standard and popular Beauty, which variety it most closely resembles. The fruits are almost globe shaped, firm, and ship as well as any variety we know.

Both the amateur and the market gardener will be interested in this new sort. It ripens early, bears a large crop, yields a long time, its fruits are large and smooth and the quality is excellent.

Pkt 10c, ½ oz 20c, oz 30c, ¼ lb $1.00, lb $3.50.



TOMATO EARLY DETROIT A POPULAR VARIETY OF GREAT MERIT

NOTE Only after months of labor can the real value of seed be known to the buyer. Different in this respect from many other kinds of merchandise, the quality of which can be determined at once; it behooves you to buy the best and not take any risk. Vaughan's Seed Store, recognizing it as the only successful business principle, also makes it a matter of pride to sell **none but the best seeds.**

THE DEARBORN

THE NEW DEARBORN

Early harvesting, good size, and fine quality are exceptional features of The Dearborn which are gaining for it great popularity. This variety is medium early and vines are good producers; in maturing it is a little later than "Irish Cobbler." Its desirable harvesting qualities are shown in the clustering of the tubers about the strong stem, they appear in medium number and are of medium size. The plant's habit is thrifty, strong and upright, top of medium size. When the young sprouts first appear above the ground they are very strong, with dark green leaves. When matured the tubers are nearly round, sometimes slightly flattened. The skin is densely netted and the flesh is of particularly fine quality and white.

To sum up the superior qualities of this sort, in a single sentence, is to say, "the best quality easily to date."

Price by freight or express, ½ pk 40c, pk 70c, ½ bu $1.00, bu $1.75, bbl (165 lbs) $1.60.

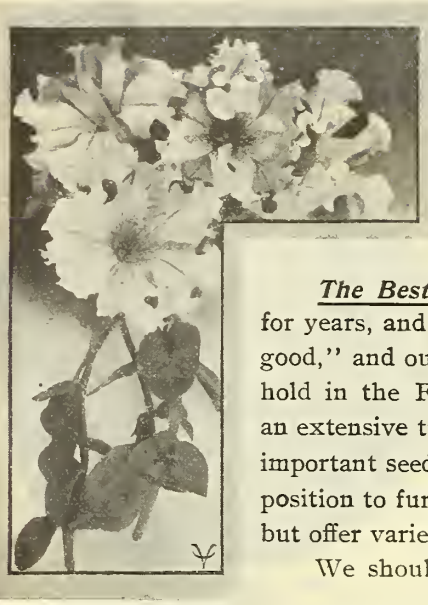
NEW SPINACH — Vaughan's Giant "Fill-Basket"

A novelty in greens, produced by the careful culture of an expert German grower. In Germany where greens, and especially Spinach, is in great demand always, Fill-Basket is regarded as the best spinach ever produced. With our customers and in our trial grounds it has given phenomenal results. The illustration given above grew 24 inches across on rich soil; double the size of Victoria. The large quantity of bulky leaves may be seen in the center of the well developed plant shown in the picture. The dark, glossy, green leaves have a rich unevenness of surface, and they are notably thick in texture. Cooked it is very tender and well flavored and can be cut early. **Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.**

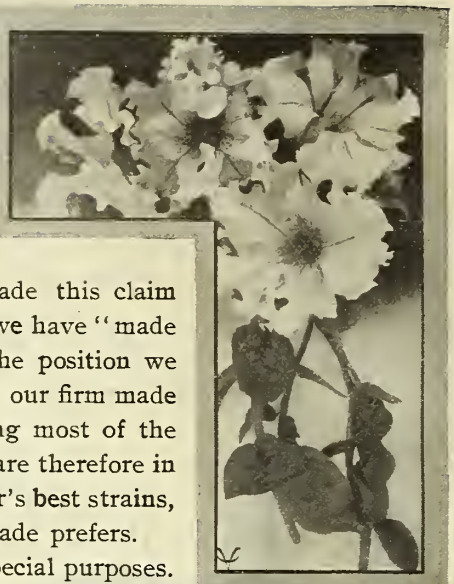
VAUGHAN'S TRIUMPH SPINACH

Withstands hot weather longer than any other sort. In habit of growth this Spinach is very compact, and prostrate, rather than upright; the leaves are thick and warted and do not run to seed as quickly as other Standard varieties. It is similar to the so-called "Long Season's" variety, and by the use of this new variety, the spinach season may be lengthened a whole month. **Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.**

We put our name on strains of seed we control. We monopolize them because they have extraordinary merit. Pick out those special strains in ordering and you will be repaid.



Vaughan's Flower Seeds



The Best Flower Seeds in America. We have made this claim for years, and judging from our ever increasing business we have "made good," and our constant endeavor will be to maintain the position we hold in the Flower Seed business. A representative of our firm made an extensive trip through Europe the past summer visiting most of the important seed-growers and flower seed specialists. We are therefore in position to furnish not only the ***very cream*** of each grower's best strains, but offer varieties we know are just what the American trade prefers.

We should be pleased to suggest best varieties for special purposes.

THE FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong.

⊙ ***Annuals*** These attain full growth from seed, flower and die the first year.

⊙⊙ ***Biennials*** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year, if sown early enough.

2/ ***Perennials*** These last for several years, blooming annually after first year, though some varieties bloom first year if sown early.

⌙ ***Greenhouse Plants*** Start inside and cultivate in pots, or else Transplant outside when all danger is over from frost.

⌓ ***Stove Plants*** To be grown inside all the year round; for pots only

§ ***Climbing Plants.***

4000 **AGERATUM, Rose Pearl** ⊙ This is a very interesting and attractive new annual border plant, one that blooms all summer and fall. The plants grow only about 6 to 8 inches high, branch and spread freely, and produce their charming, pink, ruby-centered flowers in abundance and in constant succession..... Pkt 25

4001 **AGERATUM Wendlandi Nana Compactum Album** ⊙ There is a great scarcity among white flowering annuals that are suitable for edgings and that will bloom throughout the entire season. This new dwarf Ageratum is just what was needed for this purpose. The plants grow only about six inches high, branch out very freely, and produce their white flowers throughout the whole summer. No insect ever attacks these plants, and we can recommend it as a thoroughly good and dependable white edging summer flower..... 10

4002 **ANTIRRHINUM Apple Blossom** ⊙ A charming pink shade on a white ground, with a white throat. The stalks are thickly studded with large flowers of the finest form. Splendid for growing either inside or outside.... 25

4003 **AQUILEGIA Long-Spurred Columbine** 2/ A strain of an English fancier, who has been at work many years perfecting it. The colors are distinct shades of white, lavender, salmon, mauve, pink, yellow, etc. The size of the bloom is unusually large, the spurs long, the foliage is small and graceful, and the plants are very free flowering..... 25

4004 **ARTEMISIA Sacrorum Viridis "Summer Fir"** ⊙ New ornamental foliage plant introduced from China. Reaches it full size in one year from sowing. As a solitary plant it looks like a nicely grown Christmas tree. Also as a pot plant, it is very pretty, and may also be successfully grown in groups and borders, similar to Kochia Tricophylla, the Summer Cypress. The color of the finely pinnated foliage is a rich, dark green..... 15

4005 **ASPARAGUS Hatcheri** ⌓ § A rapid and heavy-growing Asparagus for indoor culture. The foliage is finer than the Asparagus Plumosus, from which it is a selection.....10 seeds.. 25

ASTERS ⊙

4006 **Buff Beauty** A charming Aster of the Giant Comet Section. The flowers are of a beautiful, pale primrose suffused with pink, giving a pretty apricot effect..... 10

4007 **Giant Branching Pale Yellow** This new color of the late-branching variety is a pleasing addition to this class. It is a distinct, delicate yellow, and the flowers, which are abundantly produced, are very double..... 20

ASTERS—Continued.

4008 **Giant Branching White Turning to Rose** This variety has all the good qualities of the class to which it belongs. The flowers are a very delicate white and the edges of the petals are an attractive rose when beginning to bloom..... Pkt 10

4009 **Giant Branching Cinnabar Carmine** A peculiar shade of vermilion rose. Very bright and excellent for bedding and for cut-flowers. The color is one never seen before in Asters and rarely in any other plant..... 10

4010 **Giant Branching Scarlet** The Giant Branching Aster is recognized as the best late flowering variety. Heretofore the red variety did not appeal to the people as the other more popular shades. In this variety we have a clear bright scarlet, and we know our customers will be pleased with it..... 10

4011 **Gypsy Girl** Large pyramidal shaped bushes about 24 inches high, each individual plant making a large bouquet. The flowers are carried well above the foliage, on long, stiff stems, and are fluffy white. This variety is an especially fine selection from Giant Ostrich Plume family 15

4012 **Salmon Queen** A very delicate salmon color; a variety for which there has been a long felt want, especially to those interested in the more delicate shades in flowers 15

4013 **ARMERIA Laucheama** 6-inch. 2/ A valuable type of the Sea-Cliff Cushion Pink for permanent edgings, forming dense, compact, deep green tufts studded with small spikes of crimson flowers..... 10

BALSAM Goliath ⊙ 4 ft.

Remarkable for their immense height, extreme doubleness of the blossoms and their long season of flowering. Excellent for formation of large and striking flower groups.

4014 White..... 10
4015 Scarlet..... 10
4016 **BALSAM Giant Cream.** A large-flowering Lady-slipper in a beautiful rich, creamy, primrose color. Exceedingly double and of fine robust form. We would recommend this to those interested in a color scheme garden in yellow..... 10

BEGONIA ⌓ ⌙

4017 **Gracilis Bonfire** 12 to 14 inch. The bedding Begonias are very handsome for use in shade or partial shade and are easily raised from seed. This new one comes quite true from seed and has large lustrous carmine flowers with handsome metallic-brown foliage It is a remarkably brilliant plant, and one that catches the eye at a distance with its striking color..... 25

BEGONIA—Bonfire

GOURD—Calabash

BEGONIA—Continued

4018 **Gracilis Mignon.** 8 inches, The plants form globular bushes and are covered with blossoms of a fiery scarlet hue, with prominent yellow anthers. The foliage is a soft dark green, spotted and bordered with bronzy red. . Pkt 15

4019 **Gracilis Prima Donna.** 1 foot. This Begonia may be used as a bedder, but it is most successfully grown as a pot plant indoors. The plant forms a broad, full bush with dense foliage. The flowers are a brilliant, clear pink which shade into carmine rose toward the center, The blossoms are carried well above the foliage..... 15

4020 **Double Tuberous Rooted Lafayette Hybrids,** For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous rooted Begonias. Seedlings raised in heat early in spring will flower the same summer. The La Fayette Hybrids are superb varieties with flowers of bright scarlet shades and bronze leaved..... 25

4021 **Double Tuberous Rooted Victoria.** This is one of the new double varieties with waved and curled petals. As the Spencer Sweet Peas have superseded the plain-edged ones, so will the waved Begonias take the place of the plain-edged ones. The flowers are various tints of brilliant scarlet and are 4 inches in diameter, produced well above the foliage. 25

4022 **BELLIS Turban.** 2/ We have been on the look-out for a double red daisy, and in the Turban we believe we have found the long wanted color. The flowers are very double and very freely produced. In color they resemble the fez caps worn by the men of Turkey; hence its name 25

4023 **BIDENS Dahlioides.** ⊙ A flower-lover will be glad to add this to his list of annuals for cut-flowers. The flowers are very large, single pink or white with yellow centers. They are produced on long stems and remind one of a Cosmos when in bloom. Should be started inside and planted out when danger of frost is over. May be grown in a sunny situation..... 15

BRACHYCOME ⊙ Swan River Daisy

4024 **Blue Star.** Probably the most perfect of all annuals, the plants being models of form and crowned with multitudes of blue daisy-like flowers. The blossoms may be described as star-like Cinerarias. This Blue Star makes an excellent edging plant where a good blue color is wanted..... 15

4025 **Snow Star** Every one should try this new variety. The flowers appear as snow crystals in a mass of green in midsummer. One of the daintiest edging plants we know..... 15

4027 **THE CARDINAL CLIMBER.** ⊙ § A graceful annual climber growing readily from seed. The flowers are star-shaped in tube form, and are a fiery scarlet borne in clusters. The foliage is deeply lacinated and heavier and coarser than those of the Cypress Vine, to which it is related. Should be sown in a warm, sunny situation and in good soil. May be started indoors and planted outside after all danger of frost is over.....Pkt. 20 seeds.. 25

CHRYSANTHEMUM—Early Flowering Hybrids

CARNATIONS ⊙ 2/

4028 **American Hybrids** A valuable race of large-flowered Carnations, bearing their handsome blooms on long wiry stems for a long time in succession. Colors varied and beautiful.....Pkt. 25 seeds.. Pkt 25

4029 **McKinley** A brilliant scarlet variety of the Early-blooming French and Chabaud type, which means that plants will bloom the first summer if the seed is started in March or April. The flowers are large, double, and produced on long stems, which renders them very valuable for cut-flower purposes..... 15

4030 **Nero** Just like the above except in color, which is a a rich, velvety blood red; also very desirable 15

4031 **CENTAUREA PULCHERRIMA** 2/ This new hardy perennial is among our best summer-blooming cut-flower plants. Blooming in July, the plants grow about 3 feet high and produce their lovely rose-colored flowers in great abundance. In shape and size they resemble the Sweet Sultan, and like them, keep in water a long time..... 15

CHRYSANTHEMUM 1½ feet 2/ ⊙

4032 **Single Early Flowering Hybrids** These have single flowers, resembling somewhat a single Aster. The blossoms appear on long stems in all the delicate colors imaginable. One of our customers who purchased a packet last year writes us he had twenty-five different colors and shades. Seed sown indoors early in the spring and transplanted outside as soon as the earth is warm, will begin to flower in July and continue until frost. Will live through the winter with ordinary protection, and the plants each succeeding year will be larger and the flowers more numerous..... 25

CINERARIA Hybrida Gigantea ⊙

This type represents the largest flowers in the Hybrid Cineraria family. They are of gigantic proportions. With good culture they often grow 4 inches and larger in diameter. The form of the flowers is perfect and the colors are very striking.

4033 **Dark Red with White**..... 25

4034 **Dark Blue with White**..... 25

CLARKIA ⊙

4035 **Brilliant** This family should be be better known. It is a very attractive annual, and is grown very successfully in England in beds or borders and in pots for exhibition purposes. Should be grown in a rather cool place. This variety has very double flowers, produced on long spikes of a brilliant salmon scarlet. It is remarkably effective..... 15

4036 **Scarlet Queen** This is one of the most brilliant in a very brilliant family. The flowers are a double salmon orange and develop to a glowing orange scarlet with a salmon tinge..... 15

DIDISCUS Coeruleus

LOBELIA Sapphire

POPPY Hansa

4037 **CONVOLVULUS Althaeoides Floribundus** 2/ § This new perennial climber is really a hardy Morning Glory. The leaves are whitish and the flowers a rosy pink. The vines are covered all snmmer with a mass of pink bells. Sow this year for next year's flowers..... Pkt 25

COSMOS ⊙

So often we of the middle states fail in getting onr Cosmos to bloom before frost lays his hand on our carefnlly watched plants. While in northern Europe this summer we fonnd a variety with giant flowers which began blooming in July and continned until frost, and we secured the largest part of the grower's stock, knowing our patrons wonld be glad to get this "Real Early" strain. We can snpply in the following colors:

4038 **"Real Early" Flowering White**..... 25
4039 **"Real Early" Flowering Pink**..... 25
4040 **"Real Early" Flowering Crimson**..... 25

4041 **DAHLIA Burbank's Single Mixture** ⊙ Single Dahlia blossoms are much prized as cut-flowers and last well in water. In this mixtnre we have the cream of the selection from the celebrated specialist whose name it bears, and we are confident many new and attractive varieties will result. Dahlias will bloom from seed the first year if started in the house, and are no more tronble than Asters or Zinnias..... 10

4042 **DELPHINIUM Gold Medal Hybrids** 2/ When established in clumps on rich ground these make a brilliant show and afford a decoration from July nntil September. This mixture contains all the beautiful light shades as well as a selection of the richer and darker varieties..... 25

4043 **DIANTHUS Barbatus Coppery Red** 2/ Sweet William. A new and rich color in this well known family. The plant forms a perfect little bnsh, and the flowers make attractive cut-flowers..... 15

4044 **DIANTHUS Barbatus x Chinensis** ⊙ An Annual Sweet William which will bloom the first year if sown early. The coloring is remarkably bright, possessing as it does the best of both classes to which it belongs..... 10

4045 **DIANTHUS Heddewigi Superbissimus Single Mixed** ⊙ A wonderfnlly bright mixtnre. The flowers are very large, the petals have wavy edges, and the white throats set off the blossoms in an amazing manner..... 10

4046 **DIANTHUS Fairy Queen** ⊙ Single flowered. Japan Pink with large, finely fringed flowers of a delicate salmony rose shading off to white towards the margin..... 10

4047 **DIDISCUS Coeruleus.** ⊙ 3 ft. Not a novelty, but an nnknown plant which onght to be grown more frequently. Long stemmed lavender flowers; look like blossoms of "Wild Carrot" or "Qneen's Lace Handkerchief." A constant bloomer. Should be planted in partial shade..... Pkt 15

4048 **ESCHOLTZIA Mandarin "Fire Color."** ⊙ One of the most brilliant of the California Poppies, the colors being vivid red, brown, and rust, flamed and streaked in the most bewildering manner..... 10

4050 **GAZANIA Splendens Grandiflora.** ⊙ ⌓ These hybrids originate from a fine collection of large-flowered Gazanias of brilliant and varied colors. Sown in February and planted out in May the seedlings produce their many hued flowers uninterruptedly from Jnly into the late autumn. The latter, about 3 inches in diameter, are displayed well above the compact bushy plants, 15 to 18 inches in width. Lemon, canary, and golden yellow and orange are the predominant tints, but white and delicate heliotrope shades are also represented. While some of the plants prodnce self-colored blooms, most of them show narrow black or pnrplish rings or dots ronnd the disk. Gazanias require a sunny sitnation..... 25

4051 **GOURDS Calabash or Pipe** ⊙ § 20 ft. A rapid growing vine introdnced from Sonth Africa, the fruit of which is used in the manufactnre of Calabash pipes. Easily raised and comes trne from seed. These pipes make very acceptable gifts at Christmas and they can be made successfully at home. See illnstration for making..... 10

4052 **GYPSOPHILA Paniculata flore pleno** 2/ The first time the double "Baby's Breath" is offered in seed. The plants bloom the second year from seed. The flowers are pnre white and are very dainty and graceful. Is nsed extensively by florists, in combining with Sweet Peas, to which flowers they add a tonch of airy grace..... 25

4053 **HELIANTHUS Double Primrose Queen** ⊙ These grow 5 to 6 ft. in a season, and large nnmbers of medium sized pale snlphnr yellow flowers are produced on short straight stems. All the flowers are double..... 10

4055 **HELIOTROPE Dwarf Giant.** ⌓ The plants grow only about 15 inches in height and produce individual flower heads of a deep reddish lilac color, deliciously sweet... 15

4056 **IMPATIENS Holsti Nana.** ⊙ 2/ ⌓ A compact growing variety. Forms regularly branched bushes from 6 to 8 inches in height by 10 to 12 inches in breadth and prodnces its lovely deep scarlet flowers in the greatest profusion throughout the season. Foliage and stem are dark. Makes a particularly good Christmas plant..... 25

PANSY Princess

PETUNIA Dwarf Large Flowering Fringed

PENTSTEMON

4057 **LATHYRUS Lat folius Appleblossom** 2½ § This variety originated with a friend of onrs in Indiana who writes as follows: We call it Appleblossom, the flowers being rosy pink in the center, fading to white around its slightly rosy tips. It is as delicate as annual Sweet Peas and often as many as 10 to 15 trusses of buds and flowers on each branch of the vine. It should be planted this year for flowering next year..... Pkt 15

4058 **LINARIA Macedonica Speciosa** 2½ 2 to 3 ft. Hardy Snap Dragon. This perennial calls to mind the old "Butter and Eggs" seen on our prairies, except it is so improved in size and substance that only the shape remains. The plants are very robust and garnished with glaucous green foliage; produce their tall spikes of flowers in great abundance. The individual flowers, crowded in dense racemes, are one inch across and nearly two inches long, including the spur, and present a clear citron yellow with large orange yellow spot in lower lip..... 15

4059 **LOBELIA Sapphire** ⊙ For decorating window and porch boxes, these Lobelias will be in great demand. They are trailing in habit with wonderful large, deep blue flowers. This is set off by the pure white eye which occupies nearly one-third of the corolla..... 15

4061 **MARIGOLD Golden Star.** ⊙ Dwarf Marigolds make splendid edging plants, particularly this one, owing to the oddity of the plant. The single flowers have golden yellow petals with purple red streaks radiating from the center. Many flowers are in evidence at all times, and they will remain in bloom until a heavy frost..... 15

4062 **PANSY Princess** ⊙ ⊙ 8 in. The distinguishing feature of these is their strikingly erect habit. The stalks are firm and strong and withstand the inclemencies of the weather to a remarkable degree. The blossoms are produced very freely and are of the Cassier and Masterpiece types with yellow shades predominating..... 25

4063 **PENTSTEMON Hartiwegi Albus** 2½ 2½ ft. The plants of this fine new variety, branch freely from the base, develop a brilliant green foliage and throw up numerous flower spikes all thickly studded with large open-throated blooms, 1 to 1½ inch across. The buds are at first of a creamy color, but change to a clear white when opening. In this introduction we possess the first pure white large-flowering Pentstemon. It is remarkably early and long blooming, for sown in January it will flower from June until frost sets in, and coming quite true from seed should prove all the more welcome; eminently suitable for bedding purposes. Spikes excellent for bouquets..... 25

PETUNIA. ⊙

4064 **Dwarf Large Flowering Fringed.** Petunia plants that have large fringed flowers never before have been borne in dwarf compact bushes such as this one which we offer. The plants grow only 8 inches and the lovely blossoms appear in all the attractive colors common in this plant. No tying up is necessary and the plant will be excellent for laying out flower beds and borders as well as for pots. 25

PETUNIA—Continued.

4065 **Karlsruher Rathaus.**

The Germans have a happy idea in using Petunias in window boxes. They are wonderfully attractive when used in this way and ought to be used more extensively here. This variety receives its name from the City Hall of Karlsruher in Germany. The flowers are very large, very deep violet blue and should be planted with a white background to be effective..... Pkt 15

4066 **Editha** A small, profuse bloomer, useful for outside bedding and boxes. The flowers are rose, with a dark carmine star, veined and netted with a brilliant carmine. 15

4067 **Rheingold** A large flowering pure white flower with a clear yellow throat..... 20

PHLOX Drummondi Nana Compacta. ⊙

4068 **Crown Prince.** The flowers are magnificent and extremely brilliant color. The individual blossom is of faultless form and very large of salmony scarlet color.. 10

4069 **Rose Bush.** A dwarf phlox of unusual brilliancy. The individual blooms are very large bright rose with dark spots at the base of the petals and a clear white eye. Splendid for a pink edging plant..... 15

4070 **Surprise.** The flowers are a clear vermilion with a white center..... 10

4071 **POPPY Hansa.** ⊙ The flowers of this new Poppy have a pure white ground color, passing towards the finely slitted edge to a deep crimson. The single fringed Poppy is one of our prettiest and most favored annuals and owing to the fact that every amateur can easily grow it without any experience; the demand for it is increasing every year. 15

4072 **POPPY Shirley Celeste** ⊙ One of Burbank's introductions. The flowers are a beautiful lavender, a color never before offered in the family..... 10

4073 **POPPY Nudicaule New Hybrids.** 2½ This a peculiarly fascinating strain, presenting delightful combinations in new shades of colors, such as blush, cream, flesh, salmon, striped and parti-colored, as white with yellow or pink edge and even blotched flowers, besides the older varieties in white, yellow and orange..... 15

4074 **PRIMULA Malacoides** 2½ ⌓ 10 in. May be called an improved Forbesi or Baby Primrose. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion; the flowers also stand well when cut, and keep quite fresh for several days in water. The plants will flower in four months from sowing and will continue in flower from four to six months..... 15

MARIGOLD Golden Star

POPPY Nudicaule New Hybrids

VIOLA CORNUTA Thuringia

4075 **PRIMULA Gigantea Oculata Rosea.** A fairy's wand must have been given the introducer of these plants. From nothing he has been able through years of work of selection and elimination to send into the world a wonderful class, quite by itself. This plant is quite distinct, the flowers are very large and of a beautiful shade of pink, each flower containing a darker eye. Pkt 25

4076 **PRIMULA Obconica Grand Nana Compacta Rosea.** The flowers are borne on short, wiry stems just above the foliage, forming a dense bouquet of the most pleasing rose color on the green background of foliage. One of the best for pot plants..... 25

4077 **RUDBECKIA. Large Flowered Golden Yellow** 2ℓ The flowers which attain sometimes 4 inches in diameter, have a conspicuous dark brown raised center, surrounded by a row of long, broad, golden yellow petals, standing out in beautiful contrast with the dark centre. Of elegant habit, a profuse bloomer, flowering from August until frost sets in. Excellent for cutting, the flowers lasting for several weeks in water..... 25

4078 **SILENE Schafta** (Catchfly) 2ℓ A very beautiful neat, tufted plant, with purple flowers; used for a permanent edging or front of border, rock-garden etc. time of blooming June to Sept. Height, 6 inches..... 10

4079 **TRITOMA Hybrida Mirabilis** ⊙ 2ℓ A new strain of dwarf growing Tritomas or Poker Plants. Its great merit as a novelty consists in producing flowers in abundance the first year from being sown, so that this new class may justly be called "annual" Tritomas. If sown on temperate heat from January to February, pricked off and treated like half-hardy annuals or like Pentstemon Hartwegii, the seedlings may be planted in the open ground from end of April to May, and they will bloom freely and constantly from July until late in the autumn. The flower stems, 2 to 3 feet high, rising above the graceful, grass-like foliage, produce neat, slender spikes, 4½ to 6 inches in length, thickly set with tubular flowers, which range in color from light citron yellow to deep golden yellow and red in all shades..... 15

VERBENA ⊙

4080 **Miss Helen Willmott.** One of the large flowering type. The flowers are a very pretty bright salmon rose with a white eye..... 15

4081 **Hybrida Gigantea** A wonderful mixture of large flowering varieties introduced by a German specialist. The flowers are as the name indicates gigantic, and with white eye. The red shades are particularly attractive..... 10

4084 **Red Riding Hood.** Attractive new compact Verbena with ball-round flower trusses of a striking and brilliant fiery crimson color. Foliage small..... 15

VIOLA CORNUTA 2ℓ

4086 **Mrs G. Wermig.** The flowers are rich violet blue. Blooms all summer in great abundance. May be used as a bedding plant, and the flowers make good cut-flowers... 15

4087 **Thuringia.** The violas or tufted pansies are very attractive garden plants, and should be better known. This variety has a dark blue flower with a white eye.... 15

ZINNIAS

We secured from a specialist the following new shades in Zinnias which we know will please everyone who likes this handsome annual..... Pkt

4088 **Apple Blossom**.....
4089 **Burnt Orange**.....
4090 **Old Rose**.....
4091 **Black Purple**.....

Each pkt. 10c. One each of the 4 for 30c.

4092 **Giant Striped** While striped or so-called Zebra Zinnias have been offered for years, the percentage of good and distinctly striped flowers of most strains has been very small We discovered on our trip through the seed fields of a specialist in Europe a strain of striped Zinnias that produced 90 per cent, of the most beautifully striped flowers we ever saw. The predominating shades are yellow, scarlet, orange and white. We confidently recommend this strain and feel sure it will be much appreciated..... 15

VERBENA Miss Helen Willmott

Sweet Peas Spencer Varieties or Giant Orchid Flowering ⊙ §

In comparatively the last few years sweet peas have taken a new place in our affections, when the frilled or Countess Spencer varieties appeared, and now they may be obtained in so many distinct and almost true colors as to have deposed to a certain extent the older Large Flowering and Unwin types. They have large round open flowers of extraordinary size, usually two inches across, with waved, fluted and crumpled standard and wings. A very large percentage bears four of these immense flowers to a stem, which is extremely long and wirey, making them exceptionally valuable for cutflowers.

TYPE OF SPENCER SWEET PEAS

10 BEST SWEET PEAS

The following is our selection of the ten best Spencer varieties, and we offer one (regular size) pkt. of each for **50c** postpaid. These are enclosed in an attractive bag with distinctive printing. If purchased separately they would cost $1.00.

White. White Spencer.

Primrose. Primrose Spencer. Primrose color.

Blush. Florence Morse Spencer. Delicate blush with pink margin.

Pink. Countess Spencer Variety. Very pale pink, darker edge.

Rose. Marie Corelli. Rose carmine, tinted cherry red.

Crimson. King Edward VII. Rich red.

Maroon. Othello. Rich deep maroon.

Striped and Flaked. Senator Spencer. Claret and chocolate stripe on light heliotrope ground.

Lavender. Asta Ohn. Soft pinkish lavender.

Blue. Flora Norton Spencer. Bright blue with tint of purple.

		Pkt
5000	***Apple Blossom.*** Standard bright rose; wings primrose with flush of the rose tint.....¼ lb. 75c; oz. 25c..$0	10
5001	***Asta Ohn.*** A soft pinkish lavender..¼ lb. $1 00; oz. 30c..	10
5002	***Aurora.*** White ground with stripes and flakes of orange pink.....¼ lb. 75c; oz 25c..	10
5003	***America.*** Scarlet striped on white ground.....25 seeds..	10
5004	***Blanche Ferry.*** Rose standard, wings white suffused and tinted with light pink.....¼ lb. 85c; oz. 25c..	10
5005	***Captain of the Blues.*** Pure purple. The margin of the petals is marbled.....oz. 25..	10
5006	***Countess Spencer.*** The original giant flowered Spencer with finest waved standard and wings clear pink deepening somewhat toward the edge.....¼ lb. 65c.; oz. 20c..	10
5007	***Duplex Cream Pink.*** Flowers cream pink.....oz. 60c.. .....25 seeds..	15
5008	***Dainty.*** White ground with beautiful picotee edge of rose pink.....oz. 25c..	10
5009	***Elfrida Pearson.*** Large pale pink flower, the buds and young flowers having a distinct tint of buff....20 seeds..	10
5010	***Ethel Roosevelt.*** Cream ground, daintily striped and flaked with soft crimson.....oz. 30c..	10
5011	***Earl Spencer.*** Beautiful salmon orange.....20 seeds..	10
5012	***Edrom Beauty.*** Fine orange.....25 seeds..	15
5013	***Evelyn Hemus.*** Buff and primrose with clear rose margin .....oz. 35c..	10
5014	***Elsie Herbert.*** White ground nicely edged with rose pink .....25 seeds..	10
5015	***Florence Morse.*** Standard richly flushed with a beautiful distinct shade of pink; wings soft blush pink....oz. 30c..	10
5016	***Flora Norton.*** Bright blue with a tint of purple .....¼ lb. $1.00; oz. 30c..	10
5017	***Florence Nightingale.*** Large, bluish lavender....oz. 50c..	10
5018	***George Herbert.*** Rose crimson suffused with magenta and showing veins in the wings.....¼ lb. 75c; oz. 25c..	10
5019	***Helen Lewis.*** Fine orange pink.....oz. 40c..	10
5020	***Hercules.*** Pale rosy pink; giant size.....10 seeds..	15
5021	***King Edward VII.*** Pure red, very large with immense wings.....¼ lb. $1.00; oz. 30c..	10
5022	***Marchioness Tweeddale.*** White ground heavily margined with rose which flushes into the center of the standard and wings.....15 seeds..	10
5023	***Mary Garden.*** A very light cream pink.....15 seeds..	10
5024	***Marie Corelli.*** A bright glowing crimson,.....oz. 30c..	10
5025	***Margaret Madison.*** Clear azure blue self.....20 seeds..	16
5026	***Mrs. Hugh Dickson.*** Cream pink and buff.....oz. 40c..	10
5027	***Mrs. A. Ireland.*** Bright rose standard with cream base; wings flushed and overlaid with rose.....oz. 40c..	10
5028	***Mrs. Routzahn.*** Apricot suffused pink.....oz. 40c..	10
5029	***Mrs. Townsend.*** White suffused and edged with blue .....15 seeds..	10
5030	***Maud Holmes.*** Large crimson, sun-proof variety, 15 seeds..	20
5031	***Nubian.*** Fine chocolate colored.....15 seeds..	10
5032	***Nettie Jenkins.*** Pale lavender mauve.....20 seeds..	10
5033	***Othello.*** Deep maroon.....oz. 30c..	10
5034	***Pearl Gray.*** Lovely pale gray.....oz. 60c..	10
5035	***Primrose.*** Waved cream color.....¼ lb. 85c; oz. 30c..	10
5036	***Senator.*** Chocolate and seal brown stripe flaked and mottled on ivory white.....¼ lb. 85c; oz. 30c..	10
5037	***Thomas Stephenson.*** Bright orange scarlet....15 seeds..	20
5038	***Tennant.*** Curious purplish mauve....¼ lb. 85c; oz. 30c..	10
5039	***Vermilion Brilliant.*** Fine large scarlet.....15 seeds..	15
5040	***White Spencer,*** Large waved white..¼ lb. 85c; oz. 30c..	10
5041	***W. T. Hutchins.*** Soft buff primrose and flush shading to apricot pink at the margin .....¼ lb. 85c; oz. 30c..	10
5042	***Vaughan's Special Mixed Spencer Varieties.*** In offering this mixture we are giving our customers the cream of this class in all possible color variations, and we are confident many happy surprises will result, as we have included in this not only the above sorts but many others which are new and striking in this class.. ...1 lb. $3.00.. .....¼ lb. 85c; oz. 30c..	10

NEW PLANTS for 1913

TYPE OF EXCELSA—The Best Red Rambler Rose

CANNA FIREBIRD

This is by all means the **very best red-flowered, green-leaved Canna today.**

The flowers are borne in immense trusses, on strong stalks well above the leaves, from 6 to 8 are open at one time forming a well-rounded truss of tremendous proportions. They are of splendid form, round and shapely. The petals are of splendid substance and measure 2½ inches and over across. The color is a clear glistening scarlet without any streaks, spots or blotches.

We have seen and tested many varieties during the thirty years we have devoted to their culture and have never seen one that can approach it. Florists who visited our greenhouses last summer will remember it as seedling No. 111. Our stock is limited. Order early!

3-inch pot plants, ready May 1st.....each $3.00

Canna—Vaughan's Giant White

The flowers of this new Canna, of which we hold the entire stock, are of the purest ivory white; they are of gigantic size, the petals measuring 2½ inches in diameter. The flowers do not burn in the hottest sun. The foliage is strong, vigorous and of a bright dark green. **Price each, $1.50; 3 for $4.00.**

Canna Hungaria. Originated from crossings with Mad. Margaret Muhle, very compact; almost dwarf and of a very luxuriant growth. Leaves bluish green, never burns. Trusses of enormous size, borne well above the foliage. Flowers very large with very broad petals. Color purest La France pink with satin sheen. The most delicate pink in Cannas. **Each, 50c; 3 for $1.00.**

CALYSTEGIA Pubescens fl. pl. Vigorous growing hardy vine producing large and very double pale rose flowers which appear in June and continue throughout the season. Handsome and useful for covering trellises, stumps, porches and rustic work. It may also be grown in large pots, tubs or boxes and prettily used for forming small bowers on balconies, to hide low fences or to climb around posts. **Each, 20c; 3 for 45c; dozen, $1.50.**

COLEUS Black Prince. This fine sort originated with us a few years ago and we believe that it has a great future as a bedder for it will be found to blend nicely with the popular Pfitzers which it resembles closely in habit, shape and size of foliage. We do not hesitate to recommend it to anyone wishing a dark foliage plant. **Each, 15c; 3 for 35c; doz, $1.25.**

CYRTOMIUM ROCHFORDIANUM
Crested Holly Fern

Ready April 1st.

A handsome new decorative plant. Deep glossy green leaves, beautifully undulated and serrated like real holly. Valuable for fern dishes and as specimens like the C. Falcatum but much more graceful and ornamental. **2¼-inch pots, each, 15c; 3 for 40c; doz., $1.50.**

A GRAND NEW DECORATIVE CLIMBER

The Giant Yam, or Air Potato, is a wonderful new climber of the Dioscorea family, of rapid growth and with beautiful glossy green foliage. Grows 60 to 80 feet in a season. Leaves are large and heart-shaped. Flowers are in racemes, white and not showy. Potato like tubers are borne profusely along the stems at the nodes. Unique for veranda decoration. Dig and store over winter like Dahlias. Don't miss this! **Each, 15c; 3 for 40c; doz. $1.50, postpaid.**

NEW GIANT CACTUS DAHLIAS

Some of the very best of the new dahlias. We supply these in strong green plants, ready about May 15th, just when they should be planted out.

Gaiety. Flowers of medium size. A rich velvety plum color. Early and free. **Each, 20c; 3 for 50c.**

Manzanita. Flowers very large and double, borne well above the leaves. Color velvety deep scarlet. An early and free bloomer. **Each, 25c; 3 for 60c.**

Nerthus. Flowers large of splendid form on strong stiff stems, held well above the foliage. The center of the flower is a rich, glowing, orange yellow passing to a carmine rose at the tips, the whole suffused with a glowing golden color. **Each, 50c; 3 for $1.25.**

Parsifal. One of the earliest and freest flowering of the white cactus varieties, the flowers are large, of good form, creamy white, produced on fine stems well above the foliage. **Each, 35c; 3 for 90c.**

Rhein Koenig. One of the very best of the white Cactus sorts. The flowers are large, 5 inches in diameter, of splendid substance. They are borne on long wiry stems well above the foliage making it a most desirable sort for cutting and garden decoration. **Each, 25c; 3 for 65c.**

Wodan. A very robust, strong growing variety with large flowers of a most pleasing delicate salmon rose shading to old gold in the center. **Each, 50c; 3 for $1.25.**

Vater Rhein. A large and beautiful flower borne on long stiff stems. The salmon in the center shades to a pleasing rose at the tips. **Each, 50c; 3 for $1.25.**

Wolfgang von Goethe. A most charming sort with large perfect flowers of a rich velvety apricot color. **Each, 25c; 3 for 65c.**

Special Offer No. 14. One strong plant each of the above 8 varieties (ready May 15, or before if wanted) for **$2.00,** postpaid.

NEW FRENCH HYDRANGEAS

The free flowering habit of these beautiful and distinctly new Hydrangeas combined with their variation and delicacy of color make them one of the most valuable plants for lawn or porch decoration or for any use where a good pot plant with attractive flowers is desired.

The following varieties represent the cream of these new creations and we advise early ordering to assure no disappointment in securing the varieties you wish.

AVALANCHE. A very early and free-blooming milk white.

BOUQUET ROSE. Large and well formed rosy amber, frequently shading to a Cattleya Lilac.

LA FRAICHEUR. Immense regular flowers of white suffused with rose.

LA LORRAINE. Very large rose pink flowers borne in giant clusters. A general favorite.

MME. EMILE MOUILLIERE. Large pure white crimped flowers sometimes having a pink eye. A favorite in New York.

MME. MAURICE HAMAR. An early flowering flesh pink. A free and vigorous grower.

MONT ROSE. A well recommended light pink, which is entirely distinct. A strong grower and a free bloomer.

RADIANT. One of the best; of a rose carmine which if treated will be a beautiful Cornflower Blue.

SOUVENIR de MAD. CHANTARD. Bright rose colored flowers of a splendid erect habit of medium size, very free and early.

SOUVENIR de MAD. RAOULT. One of the best of the new pinks to treat for blue flower.

Price, any of above, each, 75c; any 3 for $2.00. One each of above 10 vars., for $5.00. These plants have 3 to 4 flower shoots each.

FUCHSIA Riccartoni. Graceful shrub-like plant, very compact and twiggy, covered during the summer with small bright red blossoms. Grows in almost any soil and is especially good for planting under trees and other shady places. Its attractive flowers and graceful branches form a pleasing and lasting picture. Very useful for porch or lawn decoration when planted in tubs or large pots. In the fall after one or two good frosts move the plants into a cool dry place where they should remain until planting time the following spring. This is hardy in the vicinity of Paris, France, and should be hardy in California, Florida and other Southern states. **Each, 25c.**

NEW ROSES

Baby Tausendschon. An exact counterpart of the grand climber, Tausendschon, except in habit of growth. The plants are sturdy and bear immense trusses of flowers of a large size which keep remarkably well after opening. We have found this to be a continuous and profuse bloomer and this "Baby" undoubtedly has a great future. 2½-inch pot plants, **each, 25c; 3 for 65c, prepaid.** 2-year dormant, **each, 75c; 3 for $2.10.**

Edward Mawley. A handsome velvety crimson of perfect form. A remarkably free bloomer with all the good qualities of a true Hybrid Tea. One of the best of the new sorts. Awarded Gold Medal by the National Rose Society. 2-year field grown plants, potted, **each, 75c; 3 for $2.10.**

Excelsa. The Improved Crimson Rambler. A new rambler rose perfectly hardy and free from mildew. Very double flowers of a bright scarlet color appearing in huge clusters. This rose resembles the popular Dorothy Perkins in every respect but color and may be called Red Dorothy Perkins. 2½-inch pot plants, **each, 25c.** 2-year field grown, **each. 50c;** 3-year field grown, **each, 75c.**

Jonkheer Mock. This is a great grower; it is of the general type of La France, with big, round flowers, bright pink, faced with carmine; very freely produced on heavy upright canes. We shall not be surprised to find this rose reaching the very head of the bedding section. Has been awarded three gold medals and numerous other prizes. 2-year old field grown plants, **each, 50c; 3 for $1.25; doz, $5.00.**

Juliet. A sure bloomer producing beautiful large double flowers even under the most trying weather conditions. One of the most distinct roses produced in late years and possesses a coloration not seen in any other rose. Outside of petals, old gold, interior rich rosy red changing to deep red as flowers expand. Very fragrant. If the canes are tied down horizontally they will produce more and better flowers. 2-year field-grown plants, potted, **each, 75c; 3 for $2.10.**

Milady. Similar to Richmond in color but far richer in the bud. Large and double, opening perfectly at all seasons of the year. In form and fragrance it resembles Gen. Jack. Strong and sturdy in habit with excellent foliage. Is strongly recommended for these qualities and also for its great productiveness and wonderful keeping qualities. Strong pot plants, **each, 50c; 3 for $1.25; doz., $5.00, prepaid.**

George C. Waud. A beautiful new variety with color hitherto unknown among roses. A glowing orange vermilion. The flowers are large and very full with pointed center and are very highly tea scented. A free flowering variety of vigorous growth. 2-year field-grown plants, potted, **each, 75c; 3 for $2.10.**

GLADIOLI—Splendid Summer-Flowering Bulbs

You are sure of fine flowers if you plant Gladiolus, the most attractive of all summer flowering bulbs. They need only a little culture to keep weeds down, will grow in any good garden soil, and with ordinary rainfall seldom fail to flower the same season, because their growth is assured from the stored-up strength in the bulbs. Wonderful improvements have been made recently in the size and colorings of these flowers. Having the greatest faith in the future of the Gladiolus, we are increasing our stocks and plantings by adding all new hybrids, both in the named kinds and high grade mixtures here offered. We now have six gardens and storehouses east and west for producing our supply. The best time to plant is about the first of May, but they may be planted by the 20th of April in the central states A succession of bloom may be had from July to October by making plantings ten days apart.

You will make no mistake in buying all Gladiolus bulbs at our stores.

VAUGHAN'S MASTODON
Less than half natural size.

VAUGHAN'S MASTODON

MAGNIFICENT GIANT HYBRID GLADIOLUS

Dr. Van Fleet, hybridizer of our famous "Princeps." is also the breeder of Mastodon, which he gave into our possession for distribution to the public five years ago. Owing to the very limited stock and its slow production from limited bulblets, we offer only a limited quantity of this magnificent Gladiolus. Mastodon is, as its name implies, immense both in its flowers and the growth of stalks. The individual flowers are six inches broad with sometimes three in full bloom at a time. The stalks and leaves are very strong and heavy and grow 4½ feet—even taller than Mrs Francis King. No Gladiolus of the well known flowering kinds comes within ten inches of its height. It shows its Princeps parentage in the same brilliant scarlet color, set off with pure milk-white streaks, which, starting in the throat, fade out in the middle of the lower petals. It grows so large that it does not bloom early like the forcing kinds. The cut spikes make a splendid showing in large vases, while the mammoth stalks in flower beds or among border plants are very striking. We control the entire stock. Scores of growers have desired to secure this giant for hybridizing. **Price (stock very limited) each, prepaid, $1.25.**

SCHWABEN—Novelty of 1913

A variety of extreme vigor, many of the bulbs producing two or three flowering stalks which very often produce side branches besides. The stalk produces about 20 very large flowers, 6 to 8 usually open at one time. The color is the best of clear Canary yellow, shading to a soft sulphury yellow when opening. The center of the flower is a golden dark yellow with brownish carmine blotches. The foliage is very distinct, being broad, strong and of a rich green color, adding wonderfully to the decorative effect of this novelty.

This variety was awarded a certificate of merit in Paris, 1910, and has since received numerous other prizes where exhibited. We recommend this new kind to all who appreciate a good Gladiolus. The name Schwaben was given to this kind because the "Airship Schwaben" passed over the grounds on the day it was judged for its merits. **Each $1.50, doz $17.00.**

IRIS

This is without a doubt the finest and largest light blue Gladiolus in existence. The flowers are of a very curious slaty blue color, slightly flamed with red, small white blotch, spotted with a touch of carmine red. **Each 60c, doz $7.00.**

EUROPA

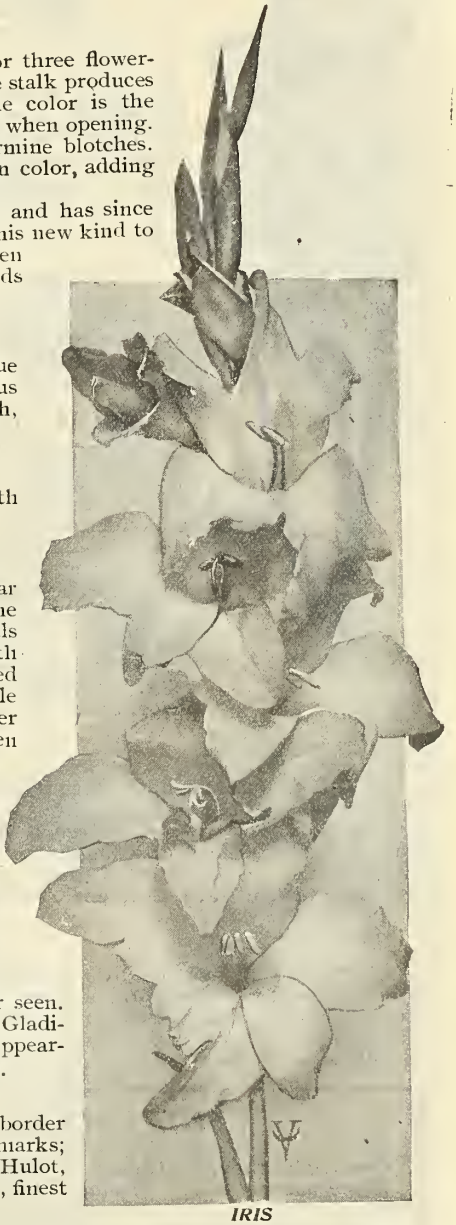
Best pure white yet introduced; perfect flower spikes with six flowers open at one time. **Each $1.25; doz. $14.00.**

NIAGARA

In type the variety resembles "America," but the flowers appear to be somewhat larger, measuring 4½ inches across. In color the flowers are a delightful cream shade with the two lower inside petals or segments blending to canary yellow. The throat is splashed with carmine, and the lower ends of the outside petals are also blushed with carmine. Stamens purple; stigmas pale carmine, this little addition in coloring relieving the creamy effect of the petals. Flower spike very erect and stout and wrapped with broad dark green foliage. Destined to lead in the cream colored varieties; in fact, would seem to be in a class all by itself. **Each 50c, doz $5.00.**

PANAMA

A new seedling of "America" which resembles the parent variety in every way except that it it is a much deeper pink. A grand variety which evokes words of praise wherever exhibited. Awarded "First Class Certificate" by Newport Hort. Society September 16th, 1911. Spike very long with flowers large and well arranged. **Each $1.00, doz $10.00.**



IRIS

WHITE LADY

"Pure white" large flowering Gladiolus, and also one of the finest varieties we have ever seen. The flowers are large size, with wavy petals, which relieves much of the stiffness seen in most Gladiolus. The flowers are set on the spike evenly, and all face one way, making a very handsome appearance. Splendid cut flower, can be kept a long time in water without wilting. **Each 25c, doz $2.50.**

VAUGHAN'S BORDER COLLECTION

Consists of ten of the best standard varieties selected from our list and cannot be surpassed for border planting. Princeps, the $1000 scarlet; Aline, extra large open white; Blanche, white with faint marks; Contrast, intense scarlet, white center; Mrs. Francis King, light scarlet; America, soft flesh pink; Baron Hulot, finest blue; Isaac Hendrickson, large white and pink; Shakespeare, white suffused rose; Canary Bird, finest yellow. **10 Bulbs, one of each variety, for $1.30, prepaid. 50 bulbs, five of each variety, for $6.25, prepaid. 100 Bulbs, ten of each variety, for $12.00, prepaid.**

MRS. FRANK PENDLETON, JR. Very beautiful variety, strong grower. Large, well opened flowers are of a delicate pink coloring; lower petals are blotched deep velvety maroon with a shade of brilliant blood-red.....**Each 50c, Doz. $5.00**

For other Gladioli and Gladiolus Mixtures see Pages 16 and 90.

VAUGHAN'S GLADIOLI SPECIALTIES

FOR OTHER NOVELTIES AND SPECIALTIES OF 1913 SEE PAGES 15 AND 90

MRS. FRANCIS KING

BEST OF ALL THE NEW GLADIOLI

We are growers of Gladioli in a large way and are introducers of the most popular new varieties. The seven named Gladioli described below, and shown in color on the back cover and color plates are the most popular sorts grown either for cut flowers or for borders and backgrounds in the garden. The even graduation of coloring from the lavender-streaked pure white of the Chicago White down through the pinks of Kunderdi "Glory," America and Mrs. Francis King, to the brilliant scarlet-crimson of Princeps, makes a combination that lends itself to most charming effects.

MRS. FRANCIS KING

This has become the most popular and effective variety for window, store and hotel decorations. It is a strong grower, vigorous and healthy. The long, stroug flower stalks with foliage, and its effective flower spike with a good line of reserve buds continually opening and with flower 4½ inches across, and five to six flowers well spead out ou the spike at the same time, gives for vases, in hotel lobbies and dining rooms, parlor decorations, etc., an effect not produced by any other Gladiolus. The color, brilliant Flamingo pink, blazed with vermilion red, is most effective both in daylight aud under artificial light. As a seller iu flower stores it has brought better prices than any other kind except America, which, with its soft, pink color, excels Mrs. Francis King for floral design work, and for that only. In order that our customers may increase their stock of this popular Gladiolus, we offer same in three sizes (all blooming bulbs):

	Each	Doz.	Per 100
First size Bulbs	$0 05	$0 50	$3 50
Second size Bulbs	03	35	2 50
Third size Bulbs	02	20	1 25

AMERICA

This beautiful variety with its soft, lavender-pink color, its full symmetrical spike, with its rounded double row of many flowers in bloom at one time, has been accepted with great enthusiasm by the cut-flower growers; they found the blooms not only very popular with the public as cut flowers, but that the bulbs could be planted in greenhouses in winter and thus bloom very early. It has had a very large sale, and will probably this season be more in demand than any other named sort, not eveu excepting Mrs. Francis King. Our bulbs are mainly of the introducer's stock and are sound and healthy. **Price, each, 10c; doz., 75c; per 100, $5.00.**

CHICAGO WHITE—Novelty of 1912

The flowers are well expanded, well placed upon the stalk, pure white, with faint laveuder streaks in the lower petals. In form tney resemble the Childisii type. They are borne on tall, straight stems, and from 5 to 7 flowers are open at one time. It is one of the ***earliest*** varieties to bloom, hence valuable as a cut-flower sort, either for forcing or outdoor planting. A few bulbs only were disposed of by the grower last year and we are only able to offer a few thousand bulbs this season. Chicago White is sure to make a name for itself as soon as the crop increases sufficiently to give it general distribution. **Price, each, 15c; doz., $1.50; per 100, $12.00.**

NEW TYPE OF GLADIOLI KUNDERDI "GLORY" WITH "RUFFLED" PETALS

The broadly expanded, wide-open flowers, paired by twos, all face in the same direction and are carried on straight, stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and fluted. The color is a delicate cream-pink, with a most attractive crimson stripe, in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the country over. It is claimed by the grower, who has worked out this type, that later on he will have a wide range of colors in this class He claims distinctness in form, even as the "Spencer" types of Sweet Peas exceed the old form. **Price, each, 10c; doz., $1.00; per 100, $8.00.**

VELVET KING

Fine, dark scarlet, similar to old variety Brenchleyensis. Veined on two lower petals with a dark color. Vigorous grower. Flower is of good, velvety substance and nearly as large as Mrs. Francis King. **Price, each, 10c; doz., $1.00; per 100, $5.00.**

"THE MARGARET"

This beautiful seedling, first produced ten years ago, has now so increased in uumber that we are able to offer it to our customers for the first time. It is a vigorous grower, 5 to 6 feet, with a broad foliage resembling Iris. The spike is straight and strong, never twisted or deformed. The flowers are large, beautifully arched and 6 to 8 are open at one time. They are arranged in two rows, facing the same way, and set without crowding. The coloring fully warrants our endorsement. A brilliant carmine, with a large white blotch ou the lower petals, the white and carmine blending into a violet tint. A good cut flower; if cut when the first flowers open, is usable for ten days. **Price, each, 20c; doz., $2.00; per 100, $15.00.**

VAUGHAN'S PRINCEPS

Princeps has more than verified the claims made by us in introducing it in 1903. Its wonderful size of flower, perfect shape, brilliant coloring and artistic form of flower spike are each so notably an improvement over all other varieties that all combined place it in the front rank. The flowers are 5 to 6 inches broad, the petals are very wide and rouuded, well reflexed, forming an almost circular flower. The color is brilliant scarlet-crimson, carrying mostly three white blotches on the lower petals. Spikes 4 feet in height produce 12 to 15 flowers, opening in succession forming coutiuuous bloom for two weeks **Price, each, 15c; doz., $1.65.**

THE VAUGHAN VARIETIES GLADIOLUS COLLECTION "AG"

One each of above Gladioli (7 bulbs) *$0 75*	*Six each of above Gladioli (42 bulbs)* *$4 00*
Three each of above Gladioli (21 bulbs) *2 00*	*Twelve each of above Gladioli (84 bulbs)* *7 75*

Prepaid to any address in the United States.

For other varieties of Gladiolus see pages 15 and 90.

AMERICA

Each 10 cts., dozen 75 cts.
Per 100 $5.00.

CHICAGO WHITE
(Novelty 1912)

Each 15 cts., dozen $1.50.
Per 100 $12.00.

KUNDERDI GLORY
(Ruffled)

Each 10 cts., dozen $1.00.
Per 100 $8.00.

For full descriptions of these gladioli see opposite page.

VELVET KING
Price each 10 cts. Dozen $1.00.
Per 100 $5.00

PRINCEPS
Price each 15 cts. Dozen $1.65.

MARGARET
Price each 20 cts. Dozen $2.00.
Per 100 $15.00.

For full descriptions of these gladioli see page 16.

THE HOME GARDEN

CULTIVATE a home garden and enjoy the best table luxuries you can secure.

No vegetables ever have either the sweetness or flavor of those just gathered from the garden.

Associated with the cultivation of a home garden are many benefits; there is health and pleasure in the exercise it furnishes, there is joy in seeing nature produce to your planting. There is true economy in household expenditure for these necessities of life. There is education in the work, as well as health, pleasure and satisfaction and there is independence.

You don't need a big lot — from a few feet of ground a supply of vegetables sufficient for the family can be had. A few cents invested in seeds can bring you a big dividend, in health, joy, and luxuries for your table.

Buy some Vaughan's seeds today; early orders mean sure and quick supplies.

IMPORTANT—ABOUT PRICES

Poor crops, of some vegetables, for several seasons, have tended to sharply advance seed prices.

Last year's prices on some items were unprecedented — this year in general, prices are lower, particularly on Peas. Seed of Beet, Carrot, Cabbage, Parsnips, Golden Self Blanching Celery and many other vegetables is still very short and price above normal.

The vital question in short crop years is the same as in other seasons — quality? Low prices cannot mean anything but "poor goods." Our prices are made as low as is consistent with supplying the "best seed."

ASPARAGUS ROOTS AND SEEDS

CULTURE. Sow thickly in early spring; then in one or two years transplant at distance of 9 to 12 inches apart, in rows 3½ feet between them. Asparagus can be cut from such seeding in 3 to 4 years.

EARLY GIANT ARGENTEUIL Famous Parisian Asparagus, grows to large size, vigorous and fairly free from rust; superb flavor. Our seed is from one of the largest Asparagus plantations near Paris. **Pkt 10c, oz 15c, ¼ lb 30c, lb 90c.**

BONVALLET'S GIANT Best variety for home and market gardens yet introduced (see illustration on this page). **Pkt 10c, oz 15c, 2 oz 25c, ¼ lb 35c, lb $1.35.**

PALMETTO Standard light green grass. **Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.**

COLUMBIAN MAMMOTH WHITE Large semi-white shoots—without earthing up. **Pkt 5c, oz 10c, ¼ lb 20c, lb 65c.**

BARR'S Similar to Palmetto. Does better in some soils than in others. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

CONOVER'S COLOSSAL A large, fast growing variety. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

ARTICHOKE, GREEN GLOBE A perennial, whose large flowering heads are cooked and eaten like Asparagus. Matures the second year; not hardy in the North. **Pkt 10c, oz 30c.**

(JERUSALEM) ARTICHOKE ROOTS Best hog food known. Very fattening and very productive. Easily grown. Three bushels seed an acre, enough to keep 20 to 30 hogs in fine condition, October to April. Cut and plant like potatoes. **Lb 35c, 3 lbs $1.00.**

By freight or express: **Peck $1.00, bushel $3.00, barrel, 3 bushels, $7.50,** f. o. b. Chicago; New York, **10c peck, 20c bushel, 50c barrel** to be added to these prices.

ASPARAGUS ROOTS

One year roots can be cut two years after planting; two and three year roots, the year after setting.

	Doz.	100	1000
CONOVER'S COLOSSAL. 1 year old roots	$0.10	$0.50	$4.00
PALMETTO. 1 year old roots	.10	.50	4.00
COLUMBIAN MAMMOTH WHITE. 1 year old roots	.10	.50	4.00
BONVALLET'S GIANT. 2 year old roots	.25	1.50	10.00
CONOVER'S COLOSSAL. 2 year old roots	.15	.75	5.00
PALMETTO. 2 year old roots	.15	.75	5.00
COLUMBIAN MAMMOTH WHITE. 2 year old roots	.15	.75	5.00
ARGENTEUIL. 2 year old roots	.25	.95	8.00
3 YEAR OLD ROOTS. Transplanted plants for forcing.			
BONVALLET'S GIANT.	.50	2.75	22.00
CONOVER'S COLOSSAL	.30	1.50	12.00
PALMETTO	.30	1.50	12.00
COLUMBIAN MAMMOTH WHITE	.30	1.50	12.00

If to go by mail add for postage as follows: 1 year old roots, **5c per doz, 35c per 100;** 2 year old roots, **8c per doz; 50c per 100;** 3 year old roots may be shipped by express only.

To destroy Asparagus Beetle, dust with mixture, 10 parts flour and 1 of Hellebore. After cutting season, Arsenate of Lead or Paris Green may be used as insecticides.

BONVALLET'S GIANT ASPARAGUS

The photograph from nature, in opposite column, in a measure illustrates the attractiveness of this most remarkable of Asparagus sorts. No other, to date in our opinion, equals this.

The small bunch and the single stalk, on the right in the picture, represent an ordinary green sort—of best quality.

The bunch and the single stalk on left in the picture is Bonvallet's. Mark the difference in size, and the flavor and tenderness are quite as remarkable. This is **grown white,** it is produced white by planting deeper than the green sorts, the stalks are cut underneath as tips make their appearance above ground.

White Asparagus should be peeled when prepared for table, it is then you get the rich exquisite flavor of the succulent stalks, sweet, juicy and tender.

The highest quality Asparagus is available only to the grower, as a few hours after cutting, the stalks dry out and much of the rich piquant flavor is gone. Of all varieties, under favorable conditions, Bonvallet's Giant is the highest quality on the American market. If grown green it excels in quality the purplish type—wherever grown it is a favorite, and is planted in the Middle West to the exclusion of almost all others.

Its habit of growth is most vigorous and healthy, outclassing all others we have tried, usually producing a year in advance of other sorts. The cutting period is longer than other sorts, as its crown does not divide.

Bonvallet's Giant is a selection from the French Argenteuil, originally made from a healthy, stalwart, vigorous plant, which had resisted the blight of Rust which destroyed the balance of a large field. Our strain has been improved each year by careful re-selection.

Roots two years old doz 25c (by mail 35c), 100 $1.50 (by mail $2.00); by express only 1,000 $10.00. Three-year-old transplanted plants, by express only doz 50c, 100 $2.75, 1,000 $22.00. Seed pkt 10c, oz 15c, 2 oz 25c, ¼ lb 35c, lb $1.35.

ASPARAGUS—BONVALLET'S GIANT, White Compared with an Ordinary Green Sort.

Grown by us or under our direct supervision

Wax or Yellow Pod BEANS

Bush or Snap Varieties

Carefully re-selected and improved each year

IMPROVED GOLDEN WAX. Has Distinct Butter Flavor

ROUND POD KIDNEY WAX

Early season vigorous growth, heavy yielding vines. Long pods entirely stringless, edible quality and flavor the very best; this is one of the most desirable of the round pod varieties.

Pkt 10c, pt 25c (by mail 33c), qt 35c (by mail 50c); by express, pk $2.00, bu $7.50.

CURRIE'S RUST PROOF GOLDEN WAX

Long golden yellow, crisp, tender pods. Early, very hardy and nearly rust proof; is extensively used and a great favorite, the seeds are black.

Pkt 10c, pt 15c (by mail 23c), qt 25c (by mail 40c); by express, pk $1.60, bu $6.00.

HODSON WAX

The greatest yielder of all garden varieties. Season medium early, vines bear a mass of long straight pods, resembling the Davis Wax in shape and quality; a remarkable wax bean.

Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c); by express, pk $1.75, bu $6.50.

OTHER KINDS

Our Bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express these packages contain more seed. The prices below, except for packets, do not include postage. If to go by mail, add 8c per pint or 15c per quart.

	Pkt	Pt	Qt	Pk
CHALLENGE BLACK WAX. Extremely early; pods tender and stringless, seeds black	$0.10	$0.20	$0.30	$1.75
STRINGLESS REFUGEE WAX. Heavily productive; pods long, stringless and brittle	.10	.20	.30	1.90
PROLIFIC BLACK WAX. Very early; prolific long pod	.10	.15	.30	1.75
VALENTINE WAX. Second early, prolific; pods yellow	.10	.15	.30	1.65
GOLDEN EYE WAX. 18 inches. Early, large flat pods	.10	.15	.25	1.60
FLAGEOLET WAX. Resists rust; pods large flat yellow	.10	.20	.30	1.75
YOSEMITE WAX. Exhibition quality variety. Pods thick, 10 to 12 inches long, golden yellow	.10	.25	.45	2.50
HORTICULTURAL WAX. New. A very desirable early bean for market	.10	.20	.30	1.60
MONSTER STRINGLESS. (See Novelties). Stringless. Largest pod of the bush varieties	.15	.25	.45	....

IMPROVED GOLDEN WAX

Medium early, heavy cropper, vine vigorous, bushy growth and good, rust resisting nature. May be sown any time to early fall with the assurance of a good crop. Pods are golden yellow, fleshy and solid, brittle, waxy texture and have an exceptionally rich buttery flavor. Excellent for home or market garden. **Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c), by express pk $1.90, bu $7.00.**

DAVIS KIDNEY WAX

The handsomest variety of early wax beans. Our rust resisting improvements in this strain have been marked by such success as to greatly increase the value of this important variety. The vines are vigorous and extremely prolific, the pods, 7 inches long, are straight, very uniform velvety, waxy white. The dry beans, kidney shape, are pure white, splendid for baking. Their tendency to become stringy and tough as they advance, makes picking them young a necessity in the home garden for snap beans. They are the best market garden wax beans. **Pkt 10c, pt 20c (by mail 28c) qt 30c (by mail 45c); by express pk $1.90, bu $7.00.**

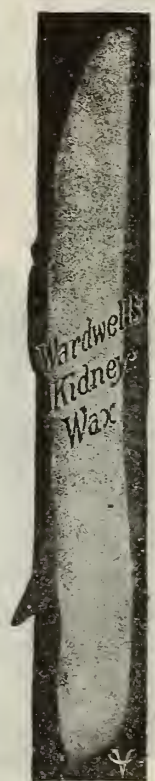
WARDWELL'S KIDNEY WAX

The pods are flat, brittle and entirely stringless, but inclined to rust in some localities. In the prairie soils of the west this variety gives exceptionally good results. The color, a beautiful yellow, gives to the straight, finely shaped pods, of uniform size, 7 inches long, an attractiveness quite distinct. This is a good yielder, and in either house or market garden will prove to be of exceptional merit. **Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c); by express, pk $2.00, bu $7.00.**

BLACK PENCIL POD

A round pod wax bean, borne on bushy vines 15 inces high, heavy producers. Pods are 6 to seven inches long, straight, thick and stringless; rich yellow color, fine flavor and excellent quality. The seed is black; splendid sort for home market garden, **Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c); by express, pk $1.90, bu $7.00.**

The most popular of all Market Gardeners' Beans. Especially good on light and sandy soil



WARDWELL'S

For NEW BEAN SPECIALTIES
See Pages 2 and 3
VAUGHAN'S MONSTER STRINGLESS

BUSH OR SNAP BEANS

GREEN POD BUSH BEANS

There are two kinds of green bush beans, round pods and flat pods. In considering these, our long experience in the seed business and our intimate familiarity with the requirements of market gardeners and home gardeners, enable us to offer suggestions that will greatly benefit those who follow them.

In this connection let us say then, that the varieties best suited to the needs of the home garden are these:
Earliest Valentine, first early;
Stringless Green Pod, Longfellow;
Full Measure (New), these are Round Pods;
Bountiful Stringless in the Flat Pod varieties.

These will give you a splendid variety of sorts and keep you well supplied.
Market gardeners plant mainly: Valentine, Longfellow, Black Valentine and Refugee.
We specialize in Beans and our statements may be relied upon. **See Novelty Pages 2 and 3.**

STRINGLESS GREEN POD—Unsurpassed for General Purposes

VAUGHAN'S SPECIAL

Many seasons of growing popularity find this variety still a great leader. Long, round, straight pods, with deep rich green color, are attractive and very fine; entirely free from strings or fiber. Pods are thick and meaty, with distinctly fine quality. This sort is early and very prolific, excellent for general use, of exceptional value in the home garden. For succession plant every two weeks until September, you will be well supplied.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), ½ pk $1.00, pk 1.90, bu $7.00.

LONGELLOW—Round Pod.

VAUGHAN'S SPECIAL

Unexcelled for the home garden. Very handsome pods, nearly stringless, beautiful soft green color, seven to eight inches long. Straight and round. Vines are very prolific and produce these elegant appearing and exquisitely delicious pods in a remarkably profuse growth. Plants are 14 to 16 inches high (early 6 weeks), pod ripens uniformly. The bean, boon for market gardeners—they have found it a highly profitable sort.

Pk 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), ½ pk 80c, pk $1.50, bu $5.50.

GIANT STRINGLESS GREEN POD

VAUGHAN'S SPECIAL

This is a giant, or immense type of Improved Earliest Valentine, and is nearly as early. It has all the excellent qualities of the original Stringless, with the advantage of great size which gives it very showy attractiveness. With Stringless for succession this is an excellent sort to plant.

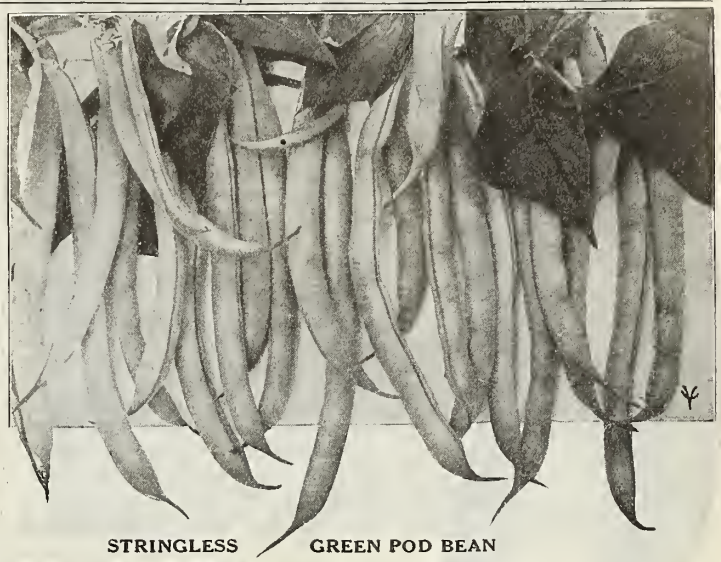
Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), ½ pk 90c, pk $1.75, bu $6.50.

RED VALENTINE—The Earliest Green Pod Bean

OTHER LEADING SORTS

Any of the following, per pkt **10c.**
The prices, except for packets, do **not** include postage; if by mail, add 8c to the pint and 15c to the quart prices.

	Pt.	Qt.	Pk.	Bu.
EXTRA EARLY REFUGEE, similar to the Refugee; two weeks earlier	$0.15	$0.25	$1.40	$5.00
BROAD WINDSOR. An English Dwarf Bean, eaten shelled, best of class	.25	.45	2.25	8.50
DWARF HORTICULTURAL. Late Heavy yielding. Flat yellow pods spotted with red	.20	.35	1.75	6.50
EARLY MOHAWK. Productive, long flat pods. Early, rather stringy	.15	.30	1.40	5.00
EARLY ROUND POD. Six weeks. Early sort for market. Good yielder	.15	.30	1.40	5.00
EARLY YELLOW. Six weeks. Similar to round sort, with flat pods	.15	.30	1.40	5.00
IMPROVED NAVY. Fine field sort	.15	.25	1.00	3.75
WHITE KIDNEY. For shell beans	.15	.25	1.25	4.75
RED KIDNEY. For same use as white	.15	.25	1.25	4.75
TRIUMPH OF THE FRAMES. Small, French bean. Good under glass. Pkt 15c, ½ pt 20c	.40	.75	....	....
WHITE MARROW. Good shell bean	.15	.25	1.25	4.75



STRINGLESS GREEN POD BEAN

IMPROVED EARLIEST VALENTINE

VAUGHAN'S SPECIAL

Very early and very hardy, yield good, vines about 15 inches high. The pods are round and fleshy, and eaten when young are of good quality; the seeds are red spotted, and being very hardy, they germinate in cold soils where other varieties would rot. The demand for an early bean of good quality, has established this one in great and deserved popular favor. For market garden and home use its a early eays winner.

Pkt 10c, pt 15c (by mail, 23c), qt. 30c (by mail, 45c), pk $1.50, bu $ 5.50.

BOUNTIFUL STRINGLESS—Flat Pod

This is a "Long Yellow Six Weeks," improved by earlier growth, hardiness, and more prolific yielding. The pods are better, larger, more tender and exceedingly handsome. They possess a distinctly fine quality which makes them desirable, profitable and exceptionally useful for either home or market garden. In addition to other good qualities, this is an excellent variety for exhibition.

Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c), ½ pk 80c, pk $1.50, bu $5.50.

BLACK VALENTINE

VAUGHAN'S SPECIAL

This is an improvement on the well known popular "Improved Earliest Valentine of which it is a powerful competitor. It is one of our specials and has many qualities to recommend it to you. It is not as early as its popular competitor, but is suited to both early and late planting, being able to withstand frosts early and late. The pods are one-third longer than "Red Valentine"; they are perfectly round and straight and come in enormous crops. Splendid appearance and other qualities makes this a good sort for market gardeners.

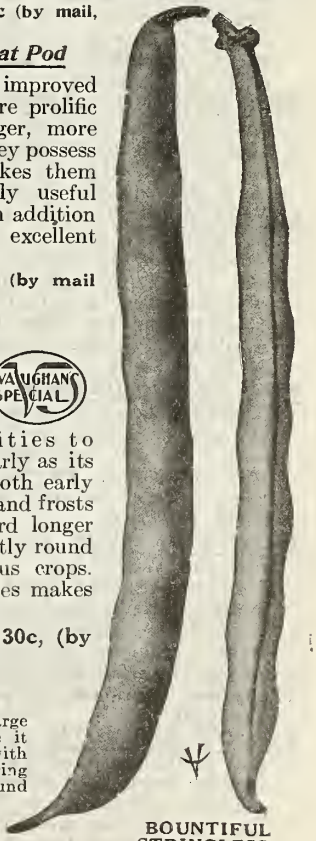
Pkt 10c, pt 15c, (by mail 23c), qt 30c, (by mail 45c), pk $1.50, bu $5.50.

REFUGEE OR 1000 TO 1

VAUGHAN'S SPECIAL

A producer of remarkably large crops. Compared to Valentine it is similar in general qualities, with pods a third longer and tapering to a point; they are perfectly round

Pkt 10c, pt 20c, (by mail 28c), qt 35c (by mail 50c), pk. $1.50 bu $5.50.



BOUNTIFUL STRINGLESS

NEW WONDER BUSH LIMA BEAN

BUSH LIMA BEANS

Complete Line of Finest Types

NEW WONDER BUSH LIMA BEAN

The New Wonder Bush Lima Bean has been given first place as a garden bean of exceptional merit, to fill all requirements, for general purposes, of the large-seeded Bush Lima varieties.

The highest expert authorities on garden beans have declared it to be the "Standard" variety for general garden purposes

It has many points of advantage; the plants are large and compact. Its season is medium, it is long bearing and very prolific.

It has appearance to commend it; the pods are green and smooth on surface, they are slightly curved, large and uniform, and usually contain three beautifully shaped seeds; of excellent quality.

New Wonder originated from one of the first types of large Bush Limas, its habit of growth, however, is more compact than other types, with less tendency.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), ½ pk $1.30, pk $2.25, bu $8.00.

POLE LIMA BEANS

EARLY LEVIATHAN Most satisfactory of all earlies. In the northern states, where an early is needed because of frosts, this sort is excellent. It is early as any, pods are of great size, equal to main crop varieties. Pods grow in clusters of five to eight, well filled with seeds of fine flavor. This is an excellent sort for those who have grown Siebert's and Early Jersey. **Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), 2 qts 65c, ½ pk $1.10, pk $2.00, bu $7.50.**

SIEBERT'S EARLY LIMA Exceptional variety for northern climate. It is hardy, early and an enormous producer. Pods are medium long, dark green, well filled with three or four large fleshy, tender, fine flavored beans. A popular early lima. **Pkt 10c, pt 20c, (by mail 28c), qt 30c (by mail 45c); express, pk $1.75, bu $6.50.**

CARPINTERIA This "Most Perfect Pole Lima Bean" is as prolific as any white lima, but the seeds have a handsome green tint, indicative of fine quality. Vines are strong and of vigorous growth. Carpinteria is attaining great popularity, merited by its excellent qualities. **Pkt 15c, pt 25c (by mail 33c), qt 45c (by mail 60c), 4 qts $1.50, pk $2.50.**

NEW GREEN SEEDED LIMA—CARPENTERIA

KING OF THE GARDEN A climber greatly favored, blooms and produces to the end of the season. Uniform pods five to eight inches long, filled with beautifully formed beans of superior quality. **Pkt 10c, pt 20c (by mail 28c), qt 45c (by mail 60c); express, pk $1.85, bu $7.00.**

IDEAL POLE LIMA Fine variety, a selection from the "White Lima." Pods very large, some 8 inches long; beans are flat, tender and good quality. Excepting Carpinteria, we think it the best for market use in the Central States, where a main crop can be matured. **Pkt 10c, pt 20c, (by mail 28c), qt 35c, (by mail 50c), express, 2 qts 65c, ½ pk $1.15, pk $2.25, bu $8.00.**

FORD'S MAMMOTH Exceptionally large and productive kind. Pods develop to an average length of 8 inches and grow in rich clusters, containing 5 to 7 beans of excellent quality; whether green or dry. **Pkt 10c, pt 20c, (by mail 28c) qt 35c (by mail 50c) express pk $1.85, bu $7.00.**

BURPEE'S BUSH LIMA True bush form of large white lima, bush 15 to 20 inches high, 24 to 30 inches diameter, supported by its own thick stems. For productiveness and quality of beans it is not surpassed. **Pkt 10c, pt 15c (by mail 23c), qt 30c, (by mail 45c); by express, ½ pk $1.00, pk $1.85, bu $7.00.**

HENDERSON'S BUSH LIMA This is the earliest of all true limas, as a cropper it is reliable, very productive, of compact form and free from mildew. **Pkt 10c, pt 15c (by mail 23c), qt 25c (by mail 40c); by express, ½ pk 90c, pk $1.75, bu $6.50.**

DREER'S BUSH LIMA A dwarf variety of Dreer's Improved Lima; it is very prolific, often as many as 150 to 200 pods produced on a single plant; each pod holding three, four or five beans of excellent flavor. Even in dry seasons it does well. **Pkt 10c, pt 20c (by mail 28c), qt 30c (by mail 45c); by express, ½ pk $1.20, pk $2.00, bu $7.50.**

FORDHOOK BUSH LIMA (See novelty page 3.) A fine quality potato type, bush lima bean, bred from the old Kennerle or Dreer Bush Lima. It grows stiffly erect, produces large pods, juicy, tender and sweet. **Pkt 10c, pt 25c (by mail 33c), qt 45c (by mail 60c), 4 qts $1.50, pk $2.85.**

BURPEE'S IMPROVED BUSH LIMA (See novelty page 3.) An improved type of the large seeded bush lima. The pods and beans both run larger than the older varieties. **Pkt 10c, pt 25c (by mail 33c), qt 45c (by mail 60c), 4 qts $1.50, pk $2.85.**

POLE LIMA—Continued

CHALLENGER OR DREER'S IMPROVED Thick pods of good size and flavor, early. **Pkt 10c, pt 15c, (by mail 23c), qt 30c, (by mail 45c), express pk $1.75, bu $6.50.**

LARGE LIMA A very popular variety. The beans are large and attractive. **Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c), express pk $1.75, bu $6.50.**

EXTRA EARLY JERSEY LIMA An old standard variety. Early small pods. **Pkt 10c, pt 20c, (by mail 28c), qt 30c (by mail 45c), express pk $1.75, bu $6.50.**

POLE BEANS

The name "Pole Beans" signifies that the vines upon which these beans grow require "Poles" to support them. They are later and more productive than Bush Beans. If ordered by mail add 8c per pint, 15c per quart.

EARLY GOLDEN CLUSTER WAX Long Golden Stringless, fine quality, pods borne in clusters, large pure white seeds. **Pkt 10c, pt 20c, qt 35c, pk $2.50, bu $9.00.**

KENTUCKY WONDER or OLD HOMESTEAD (See illustration). Long flat green pods, seven to nine inches in length, fleshy and stringless. Heavy yielder. Excellent for snap beans. **Pkt 10c, pt 15c, qt 30c, pk $1.50, bu $6.00.**

BURGER'S STRINGLESS GREEN POD This early green pod bean is a splendid sort, of fine quality and entirely stringless, long bearing vines, beans small and white, good for baking. **Pkt 10c, pt 20c, qt 35c, pk $2.25.**

SCARLET RUNNER A good snap bean as well as very ornamental, having bright red flowers. **Pkt 10c, pt 20c, qt 40c, pk $2.25.**

LAZY WIFE Thick, stringless long pods, borne in quantity. Also an excellent shell bean. **Pkt 10c, pt 20c, qt 35c, pk $2.00, bu $7.50.**

CREASEBACK Early pods, long round, green tender, and stringless, white beans. **Pkt 10c, pt 15c, qt 30c, pk $1.60, bu $6.00.**

DUTCH CASEKNIFE Early, long green, flat pods, white seed. **Pkt 10c, pt 15c, qt 30c, pk $1.60, bu $6.00.**

HORTICULTURAL CRANBERRY Early, good for snap or shell beans for a cool climate. **Pkt 10c, pt 15c, qt 30c, pk $1.60, bu $6.00.**

KENTUCKY WONDER POLE

SIX FINE FOREIGN BEANS Giant Scarlet Runner. Fine flowers. **Pkt 10c, 3 for 25c.** Two Colored Fire Bean Pink and White Flowers **Pkt 10c, 3 for 25c,** July Pole. Fine tender pods **Pkt 15c, 2 for 25c.** French Asparagus, "Yard long" pods. **Pkt 15c.** Wax Pole "Fill Basket." **Pkt 10c, 3 for 25c,** New, Very Early Green Pod Pole, Pres. Roosevelt, **Pkt 10c, 3 for 25c.**

An ounce of Beet Seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

BEET

Closely allied to Beet is Swiss Chard, which is the most satisfactory vegetable for summer greens. See complete list of varieties, page 53.

CROSBY'S EGYPTIAN—*The best of the Early Beets*

A Beet of standard merit. Has been bred with great care and improved from the original "Early Flat Egyptian" than which it is thicker and better shape. Extremely early, deep red color, almost black, flesh sweet, smooth, tender and of exceptionally fine quality.

Its earliness enables market gardeners to offer small Beets of presentable size and shape, at a time when good prices prevail, the tops are just right for early bunching. The greatest expert care is required in growing this variety, to retain earliness, shape and color in equal proportion. Our strain is kept in the highest standard to efficiently meet every requirement, by our most skillful, careful and experiment growers.

CROSBY'S EGYPTIAN Vaughan's Selected Stock. **Pkt 10c, oz 20c, 2 ozs 30c, ¼ lb 50c, lb $1.60, by express 5 lbs $7.50.**

CROSBY'S EGYPTIAN Choice Stock. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.**

VAUGHAN'S FIRE-BALL

The Home Garden Variety Par Excellence

The peer of the "best;" the handsomest Beet on the market' whether you are gardening for profit or pleasure, this Beet will give you supreme satisfaction. It is early, seasoning with Crosby's Egyptian, of globe shape, fine smooth skin and beautiful deep rich red color, the flesh is solid and very sweet. Small tops, which take up less room in the bed, permit closer planting, this is a feature where space is limited, though they are not bunched as rapidly as those with larger tops. Market gardeners who cater to particular and fancy trade, find large and ready sale, at high prices for this beet of exceptional quality and appearance. **Pkt 10c, oz 20c, 2 oz 35c, ¼ lb 60c, lb $2.00.**

LONG SMOOTH DARK BLOOD

Long slender roots, are seldom more than 2 inches through, matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. **Pkt 5c, oz 10c, 2 ozs 20c, ¼ lb 40c, lb $1.25; by express 5 lbs $5.25.**

LONG SMOOTH BLOOD

DETROIT DARK RED

A fine sort for main crop in the home garden

EDMAND'S EARLY Round, well formed, with only single top root. Flesh is deep blood red color, very sweet and tender. This is one of the best sorts. Plant closely as they do not grow large and coarse, but have very small tops. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25, by express 5 lbs $6.00.**

HALF LONG BLOOD A splendid sort for winter use. Roots are half the length of "Long Smooth Dark Blood," but equal the weight, because of greater thickness. Always Smooth, and the rich, dark red flesh, very sweet, tender and crisp. Never becomes woody, even in the exposed portions. **Pkt. 10c, oz 20c, ¼ lb 50c, lb $1.60, by express 5 lbs $7.50.**

OUR KEY TEST All our seeds are tested for vitality in damp blotters, using in each collection a proven sample of a similar variety whose germination is positively known as a key. Correctness of the test and real percentage of growth are thus absolutely proved.

"SEEDS THAT GROW" Are extolled with much emphasis by some who sell seeds. Well, so do weed seeds. Vaughan's seeds not only grow, but produce crops after their kindt—he best in America.

CROSBY EGYPTIAN—Vaughan's Selected Stock. The most popular Early Beet.

CRIMSON GLOBE—*Second Early and Main Crop*

Exceptionally handsome, **main crop** variety, medium size, almost globe shape, entirely free from rootlets, leaving it uniform and perfectly smooth. The roots have an average size of 10 inches in circumference. Foliage is small, a rich purple bronz. Rich blood red flesh, slightly zoned and finest quality—always sweet, tender and never stringy. A main crop for market, a great favorite everywhere, and very heavily planted. The equal of Detroit in quality, for home use, but earlier, not so dark. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.50; prepaid 5 lbs by express $7.25.**

DETROIT DARK RED TURNIP—*Main Crop*

A perfect turnip shape Beet, with small tap root. Tops exceptionally small and upright, firm for market bunching. Skin dark blood red, flesh bright red, very best quality, fine sweet and tender. Through all the western states this variety has an unequaled reputation as a top notch cropper of high quality. Our stock is exceptionally firm in all respects. For the home and market gardener this is one of the few **best varieties.** Vaughan's Selected Stock. **Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb $1.50; by express 5 lbs $7.25.**

VAUGHAN'S CHICAGO MARKET A very exceptional Beet. Turnip shape, medium size, rather small top, fine tap root. A main crop variety of great merit, for the home garden. Perfect dark blood red color, the leaves of every beet are of the darkest glossy red, nearly black. A splendid keeper, does not over-grow when left in the garden, so soon as other varieties. **Pkt 10c, oz 20c, ¼ lb 55c, lb $1 75.**

ARLINGTON IMPROVED Early deep round form, medium size, color dark blood red; does not become stringy, but is sweet and tender at all times. **Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb $1.25.**

BASSANO EARLY FLAT RED One of the earliest, flesh tender, white and rose in color. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25, by express 5 lbs $5.75.**

DEWING'S EARLY BLOOD TURNIP Good color, medium size, smooth and handsome. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40; by express 5 lbs $6.75.**

EARLY ECLIPSE Roots nearly globular, with small tap root and very small collar. Flesh dark red, zoned with lighter shade, very sweet, crisp and tender, especially when young. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25, 5 lbs $6.00.**

ELECTRIC As early as Egyptian and well liked in the Eastern market. It is almost round, leaves small, color very dark red rich crimson, with rings of lighter hue. Flavor delicate, rich and sugary. **Pkt 10c, oz 20c, ¼ lb 50c, lb $1.70; by express 5 lbs $7.50.**

IMPROVED EARLY EGYPTIAN The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. **Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb $1.25; by express 5 lbs $5.75.**

BROCCOLI AND BRUSSELS SPROUTS See page 26.

MANGELS See page 26

SWISS CHARD OR SEA KALE BEET See page 53.

EARLY OBLONG VARIETIES

CABBAGE

BOOKS FREE WITH ORDERS
Vaughan's Vegetable Garden Book with $1.00 vegetable seed order.
Vaughan's Vegetable Cook Book with $1.00 vegetable seed order.
Vaughan's Flower Bulb Book free with $1.00 bulb order.

EARLY WINNINGSTADT For general use this sort is one of the best; very hardy and sure to head. A good keeper in winter and summer, heads regular, conical shape, very hard. We sell only the best imported seed. **Pkt 5c, oz 20c, ¼ lb 50c, lb $1.85.**

EXTRA EARLY EXPRESS Extra early sort; plants are compact, round thick leaves forming an oval head astonishingly large for the size of the plant. The heads are thicker and less pointed than the Jersey Wakefield, and only a little later than that sort. **Pkt 5c, oz 20c, ¼ lb 60c, lb $2.10.**

EARLIEST ETAMPES Resembles Express; heads are fully as large, not quite so hard, but excellent quality. Sold as "Earliest of All," "Wonderful," etc. Buy Vaughan's Seed to be sure of best quality. **Pkt 5c, oz 20c, ¼ lb 60c, lb $2.10.**

EARLY YORK Firm and tender, heart shape, head small, can be planted 15 to 18 inches apart. **Pkt 5c, oz 20c, 2 ozs 35c. ¼ lb 50c, lb $1.60.**

VAUGHAN'S SELECTED EARLY JERSEY WAKEFIELD

Our strain of this most popular sort combines in the highest degree the essential features so important in an extensively planted variety.

Earliness and hard-heading qualities in this are of utmost importance to the planter; with the greatest care in growing, testing, cleaning and trials, we have produced seed to which we are confident none is superior.

This is the best extra early oblong, conical-shaped head variety for planting in the United States; more seed is planted of this sort than of all others of the same type.

The small outside leaves permit close planting.

Vaughan's Selected, American Grown. Pkt 10c, ½ oz 20c, oz 30c, 2 oz 50c, ¼ lb 80c, lb $3.00.

Early Jersey Wakefield, Regular Stock. Pkt 5c, oz 15c, ¼ lb., 40c; lb., $1.50.

LARGE JERSEY or CHARLESTON WAKEFIELD

The characteristic of this sort is uniform solid heads, much larger, and maturing a few days later than early Wakefield.

Extensively planted by gardeners in the south; it matures just as early on clay ground as on other soil.

Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 70c.

SPECIAL OFFER. Early Jersey Wakefield, Select Charleston Wakefield, Early Allhead, Vandergaw or All Seasons, Premium Flat Dutch, Bridgeport Drumhead, Danish Ballhead, late.

One packet, any three above.....15c
One ounce, any three above.....55c

EARLY FLAT VARIETIES

VAUGHAN'S ALL SEASONS—Vandergaw

Although this variety should be classed with the early Cabbages, it is, as its name implies, an all-seasons Cabbage. Under the most adverse conditions it is almost sure to head, and even planted very late it keeps well and is of much better quality than the big-ribbed winter kinds.

The heads are large, solid, small ribbed, and about as early as Early Summer and larger. The eating quality is not excelled in the Cabbage line. This has been very noticeable in our trial grounds when comparing the flavor of the different Cabbages, side by side. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.60.**

ALL HEAD or FAULTLESS

For the amateur who plants but one variety of Cabbage this is the one he should select, as for all purposes it answers the requirements better than any other. It matures heads of large size, uniform, handsome in appearance, and of a quality which is not equalled except by All Seasons. The outer leaves are few, and close plantings may be made. Among kraut growers it is the most popular variety, for the largest tonnage possible may be raised to the acre. Our seed is grown by the originator of this variety on Long Island. **Pkt 5c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb 85c, lb $3.10.**

EARLY FLAT DUTCH. A standard early Cabbage. A sure header, weighing from 10 to 12 pounds, of even size and solid. They mature about as early as Early Summer and stand long without bursting. This is one of the best of the second early kinds. **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.10.**

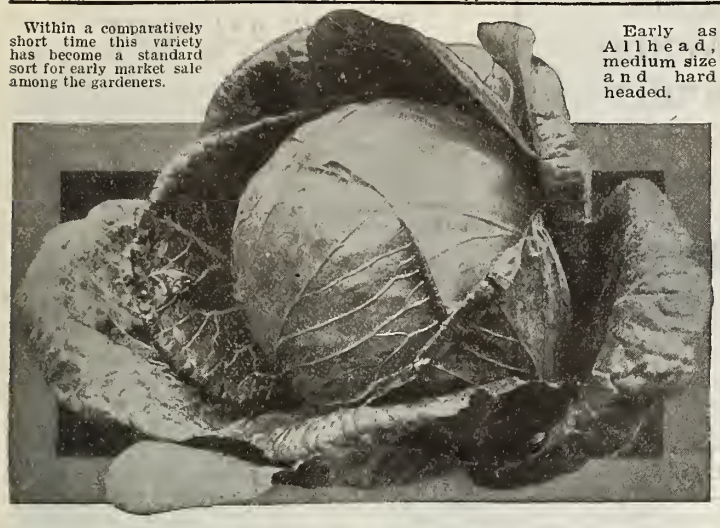
NEW EARLY FLATHEAD, New Early Spring. Cross between Jersey Wakefield and Succession. Has thick, leathery leaves of Wakefield, slightly rounded heads, about date of Wakefield. Dwarf growing, few outside leaves. **Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.60.**

COPENHAGEN MARKET. New first Early Flat Head, excellent sort, high quality, very popular; permits close planting and quick harvesting. **Pkt 10c, ¼ oz 20c, ½ oz 35c, oz 65c, 2 ozs, $1,00, ¼ lb $1.75, lb $6.50, postpaid.**

EARLY SORTS | CABBAGE | FLAT AND ROUND

Within a comparatively short time this variety has become a standard sort for early market sale among the gardeners.

Early as Allhead, medium size and hard headed.



GLORY OF ENKHOUSEN, a Very Valuable Early Sort

GLORY OF ENKHOUSEN

A comparatively new Cabbage from Holland, it has met with exceptional popularity on account of its earliness, sure headedness and fine keeping quality. The heads are of medium size, just right for market, globe shaped and of handsome dark green color. The quality is excellent, the leaves being fine ribbed and the outer leaves set close, permitting close planting. Where this variety has been tried in the market-growing centers the growers have been very enthusiastic. It is now generally considered as the most important introduction in the cabbage line in the past decade.

Pkt 10c, ½ oz 20c, oz 35c, 2 oz 55c, ¼ lb 85c, lb $3.10.

DANISH SUMMER BALLHEAD

The Danish Summer Ballhead Cabbage is taking the place among the early varieties that the Danish Ballhead holds among the later sorts. It is a second early, extremely hard, long-keeping and of superb quality, and on light soil it does particularly well, being a sure header. It resembles the Winter Ballhead quite closely, excepting that it is smaller and slightly flat on top. It has traces of curliness on the outside leaves and delicate flavor that suggests Savoy blood. Color is light green, very small, with fine ribs in the leaves.

Pkt 10c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 70c, lb $2.60.

EARLY SPRING Smaller than Early Allhead, it is of the same type and almost as early as Wakefield. Its shape is round, slightly flattened on top, very solid, even before the Cabbage reach their natural size.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 65c, lb $2.25.

SUCCESSION A second early—about two weeks later than Early Summer. The heads are larger, slightly flatter than the above variety and run more uniform. The color is light green; the heads are solid, have good keeping quality and are of excellent quality. A favorite with market gardeners.

Pkt 10c, ½ oz 20c, oz 30c, ¼ lb 85c, lb $3.10.

SUCCESSION

LATE FLAT DUTCH Slightly smaller than Premium Flat Dutch and perhaps a little better keeper.

Pkt 5c, oz 20c, ¼ lb 60c, lb $2.10.

Use **Slug Shot** for cabbage worms. Can be used without danger; absolutely kills cabbage worms. **5 lb package 30c, 10 lb 50c, 25 to 50 lbs at 4¾c per lb.**

Premium Flat Dutch

FOTTLER'S BRUNSWICK DRUMHEAD

A dwarf growing sort with very large heads coming in considerably earlier than Premium Flat Dutch. It is of value for both second early and winter use and is much planted by gardeners. The heads are flat and solid with few outer leaves, of light green color.

Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.10.

EARLY SUMMER The popular flat head variety for early market. In season it follows right after Wakefield. The heads are of fair size, round with a peculiar bluish tinge. The Cabbages are compact, solid with great large outer leaves. The quality is good and its fine appearance makes it bring ready sale.

Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.10.

EARLY SUMMER

LATE or MAIN CROP SORTS

DANISH BALL-HEAD

Vaughan's Select Stock. The most popular of all late varieties for Winter use. Genuine seed grown on Amager Island, Denmark. Because of its "great solidity" of head, and its unequaled keeping and shipping qualities, Danish Ball-Head has supplanted nearly all other varieties for winter use. Many trials have demonstrated the superiority of the Danish seed of this variety over that grown in other countries and localities. The Ball-Head we offer is the tall-stemmed strain, to be distinguished from the short-stemmed "Hollander" or the Dwarf Amager, the Danish grown strain of the Hollander. The heads are of excellent market size—not too large. They are very hard, almost round, fine grained, and will weigh one-fourth more than other varieties of equal size.

There is no higher bred cabbage seed than the strain we offer. Owing to the good crops the past two seasons, if requested we can furnish one year old proven seed.

Pkt 10c ½ oz 20c, oz 35c, ¼ lb 85c, lb $3.00.

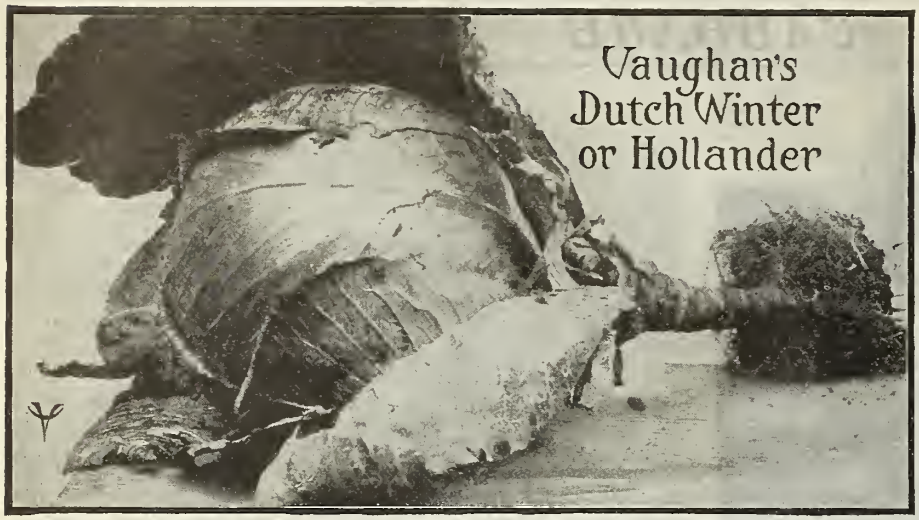
Danish Ball-Head, the most popular winter cabbage. Genuine Danish seed raised on Amager Island, Denmark.

PREMIUM FLAT DUTCH

The most popular large heading flat-head variety. No cabbage is so universally grown as this. Seed may be grown in the open ground and plants raised without the use of hotbeds. Our strain produces immense solid heads, uniform and of best quality.

Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 60c, lb $2.10; by express, 5 lbs $9.50.

HOODOO is the most uniform in type, color, sweetness and solid meat of all Orange-Fleshed Musk Melons.



DUTCH WINTER OR HOLLANDER

The best Cabbage for late spring sales and for shipping. This has become known in the past eight years as the most reliable Cabbage for the shipping trade, and has been almost universally used in districts famous for Cabbage growing, such as Racine, Wis., Central New York, Michigan districts and others. The heads are of medium size, averaging about 8 lbs., and are very solid, and in their fine white color entirely distinct from other kinds. While the quality is good they are uniformly excellent keepers, the heads being often just as solid and perfect when taken out in the Spring as when put away in the Fall. No Cabbage will sell against it.

Dutch Winter or Hollander Cabbage, Vaughan's Extra Selected Stock. Pkt 10c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb 85c, lb $3.00; by express, 5 lbs $14.00.

DWARF AMAGER OR SHORT-STEMMED DANISH BALL-HEAD

A variety which is very similar to Dutch Winter or Hollander, so nearly so it is almost impossible to tell the difference. This seed we import direct from Amager Island, Denmark. One-year-old proven stock if wanted.

Pkt 10c, ½ oz 30c, 2 oz 55c, ¼ lb 85c, lb $3.00; by express, 5 lbs $14.00.

Illustration Shows Excellent Shape Solid Head, with Finely Bred Short Stem

VAUGHAN'S BRIDGEPORT DRUMHEAD

The best large Fall shipping Cabbage in existence. Our strain of this Cabbage, of which we are the introducers, has been selected by us for twenty years, and the original type has not only been kept up, but improved, so that a field of them is more uniform than any other sort. The quality is fine for slicing, for kraut, in fact, for general table use is unsurpassed. **Pkt 10c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 70c, lb $2.50; by express. 5 lbs $11.00, 10 lbs $20.00.**

OTHER GOOD VARIETIES

Any of the following: Pkt 5c.	Oz.	¼ lb.	Lb.
Large Late American Drumhead A selected strain of this standard Winter Cabbage	$0.20	$0.60	$2.10
Autumn King Similar to Flat Dutch with ruffled outer leaves	.20	.60	2.10
Improved Stonemason A large, solid, late Drumhead—Popular in certain sections	.20	.60	2.10
Louisville Drumhead Another strain of Drumhead. Very compact, short stemmed, semi-flat and good quality	.20	.60	2.10
Marblehead Mammoth Drumhead Late, about the largest cabbage grown. Popular with gardeners	.20	.60	2.10

CABBAGE

LATE OR MAIN CROP

Sure Head This sort produces large round flattened heads which are of uniform size, very hard and of fine texture, and weigh from 10 to 15 pounds. It is a good keeper and shipper, of fine quality and certain to head even in the most unfavorable seasons. A general favorite with gardeners or large growers. **Pkt 5c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 80c, lb $3.00.**

The Lupton The heads are particularly large in proportion to the plant, which is a strong grower, but does not spread out much. It is one of the best keepers and comes out in the spring bright and fresh. Our seed, grown by the originator, will produce cabbage of the best type. **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb $2.10.**

Waupun, Wis.

I purchased two pounds of Danish Ball-head Cabbage Seed from you last year. My ten acres were almost perfect. If the seed had cost me $100.00 per pound it would have been cheaper than to have planted seed which many of the other planters used here. B. F. SAWYER.

We can offer proven one year seed of many varieties if asked for.

RED CABBAGES

Mammoth Rock Red The best large Red Cabbage. A sure header of good red color to the center. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.60.**

Zenith A very fine medium early sort. Not large, good quality and fine color. (New.) **Pkt 10c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb 85c, lb $3.00.**

Vaughan's Black Diamond A new second season black red variety. Head medium large, very firm, leaf rib thin and small; few outer leaves. **Pkt 10c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb $1.00, lb $3.50.**

Extra Early Dark Red Erfurt, Dark Red Dutch, Red Drumhead. **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 50c, lb $2.00.**

Also see Novelties.

SAVOY CABBAGES

These are the best of all Cabbages as regards quality and flavor. Blistery leaves give them a strange appearance. However, once planted they are always sown again the next season.

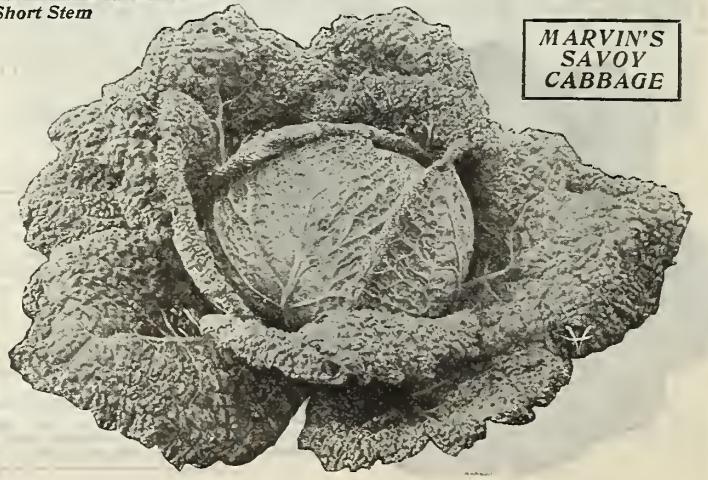
Iron Head Savoy Best of the early sorts. Round head, large and solid. Quality excellent. **Pkt 10c, oz 25c, ¼ lb 75c, lb $2.60.**

Marvin's Savoy A large solid head, very curly. An almost sure header and the most popular of this class. **Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 65c, lb $2.25.**

Early Ulm Savoy A very early sort. **Pkt 5c, oz 20c, ¼ lb 50c, lb $1.85.**

All Head Savoy Conical head, fine quality. Early and solid. **Pkt 5c, ½ oz 15c, oz 25c.**

Improved American Standard main crop sort. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb. 75c, lb. $2.60.**



MARVIN'S SAVOY CABBAGE

CARROTS

FOUR POUNDS TO THE ACRE

Carrots require a deep, well worked soil. For home use and early bunching the Chantenay, Nantes and Oxheart are the best; for general crop, our selected Danvers; while for feeding, the Mastodon and Belgians (see page 26), yield the largest crops. For shape, the carrots run as follows: Early Scarlet Forcing, the earliest and nearly round; Early Short Scarlet, next in season, about three inches long; Oxheart, Nantes and Chantenay follow, these being the best quality, running from four to six inches; Selected Danvers is a little longer, and Long Orange the longest of all.

VAUGHAN'S SELECT DANVERS

VAUGHAN'S SELECTED DANVERS *The Gardener's Favorite Strain*

We need offer no other proof of the popularity of this strain than the fact that, during the last twenty years, we have seldom been able to supply the demands of our customers. The ever-increasing sales from year to year mark this as a growing favorite. Vaughan's Selected Stock is widely known and planted to almost the exclusion of all others when the orders can be filled. As a carrot to fill every general purpose this is unexcelled, no other variety possessing such general usefulness. While some varieties of carrots attract attention by some extreme quality such as color, sweetness, peculiarity of flavor, size, shape, etc., this carrot without being extreme in any one direction is very noticeable for its uniformity of excellence in all. It is due to this latter fact that it holds a place in general favor above that of a mere specialty. First and foremost, however, Vaughan's Selected Danvers has been bred for yield and on a given acreage it will produce a larger crop of marketable roots than any other kind, this being due to its ideal shape for producing the largest possible root in a given space. The roots are of rich orange color and about six inches long with blunt point.

Pkt 10c, oz 25c, ¼ lb 40c, lb $1.40; by express, 5 lbs $6.75.

Vaughan's Chicago Forcing

As a Forcing Strain this variety claims attention. It is similar in shape to the "Chantenay," but develops much earlier and has smoother roots which color a fine dark red before other varieties. It is a little delicate for market purposes, but as a **forcing** carrot or for use in the open ground home garden as an early variety, it is a fine sort. It is not well adapted for bunching as the leaves are fine and short, but in quality it is excellent, and is entirely without core (heart). **Pkt 10c, oz 25c, ¼ lb 50c.**

Improved Long Orange

A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. **Pkt 5c, oz 15c, ¼ lb. 35c, lb. $1.25; by express 5 lbs. $5.50.**

Seed Carefully Grown Our Carrot Seed is raised by experienced and careful growers who know the importance of selection and isolation, and practice it.

EARLY CHANTENAY

EARLY CHANTENAY *The Elegant Bunching Carrot*

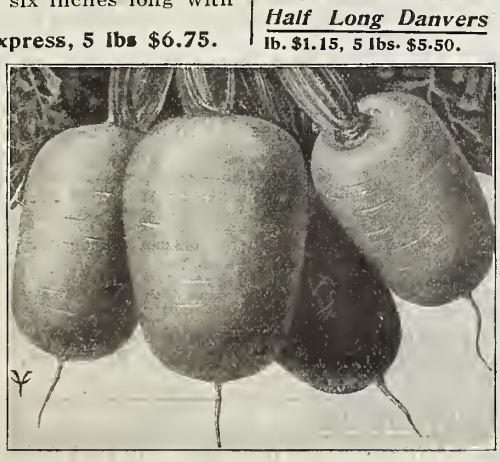
As an **Early Main Crop** has claims that should appeal to market gardeners. The carrots grow about six inches long, are stump rooted, very smooth, deep red, fine grained, sweet and sugary and are not apt to crack open while growing. Fine table sort; excellent cropper. Our seed is most carefully selected. **Pkt 5c, oz 20c, ¼ lb 40c, lb $1.35; by express, 5 lbs $6.25.**

Very Early Scarlet Forcing **(French Horn.)** Best variety for **Earliest Forcing.** Reddish Orange colored roots, nearly round. When matured they are about two inches in diameter, but should be used before they are full grown when tender and delicious. **Pkt 5c, oz 20c, 2 oz 30c, ¼ lb 50c, lb $1.85.**

Early Short Scarlet **(Dutch Horn.)** Larger than French Horn and almost as early, stump rooted, 1½ inches thick, and about three inches long; fine grained, sweet flavored, color deep rich orange, and fine for bunching. **Pkt 5c, oz 15c, 2 oz 25c, ¼ lb. 45c, lb. $1.50.**

Nantes Half Long, Early For extra sweetness, this is all by itself. It is of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about six inches long; the flesh is entirely red and very sweet and almost entirely without a core. **Pkt 5c, oz 20c. ¼ lb. 40c, lb $1.35.**

Half Long Danvers This is the stock usually bought by Seedsmen **Pkt 5c, oz 15c, ¼ lb. 35c, lb. $1.25; by express lb. $1.15, 5 lbs. $5.50.**



GUERANDE or OXHEART. Fine Quality, Good Size

GUERANDE or OXHEART

For the home garden and the market garden we can confidently recommend this splendid carrot as possessing qualities that are equally required for both. It is a thick carrot, five inches long, and very blunt at the lower end. It **grows very rapidly** and attains a weight of more than one pound. It is **tender, of good flavor,** and a deep **red color;** it is a good variety to plant, and market gardeners, as well as cultivators of home gardens, find it so. **Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb $1.35 postpaid; by express, 5 lbs $6.25.**

Carrots for Stock The Mastodon, Long White Belgian and Orange Belgian, etc. See next page. ¼ lb. Carrot Seed, Vaughan's Long Orange, for 65c, will sow one-half acre, sufficient to produce, on good soil, 12 tons of carrots equal in feeding value for horses or cattle to 150 bushels of oats.

VAUGHAN'S MAMMOTH LONG RED MANGEL

ROOT CROPS FOR STOCK FEEDING

Roots are an essential crop for stock. Leading feeders are displacing part of the daily grain ration most profitably by Mangels and other roots, since these act as a food tonic, improving the condition and health of the animals and increasing the flow of milk for dairy cows. Poultrymen realize their value as the best substitute for greens in winter. For poultry they are used whole; for all other stock shredded or sliced.

Their feeding value depends upon the amount of sugar and other dry matter present, which for most roots averages 10 to 14 per cent of the total weight. One U. S. Experiment station finds that they obtain more dry matter per acre from an average yield of roots than from corn.

The following succession planted in the spring will furnish succulent feed from September to April —Turnips, Rutabagas and Mangels, the last named not being in proper condition to use before January.

CULTURE: Any good soil may be used, but deep sandy loams in garden-like condition give highest yields. Sow the seed about corn-planting time, seeds of the Beet type at the rate of 6 pounds per acre in drills 1 inch deep; all others 3 pounds per acre in drills between one-fourth and one-half inch deep. The rows should be at least 30 inches apart for easy cultivation. Thin the plants, carrots 4 inches, the others 6 to 9 inches apart, before they become spindling, and cultivate frequently.

Ask for free booklet on Root Crops when ordering.

MANGELS OR STOCK BEETS

Giant Eckendorf Mangel. Most popular German Mangel, as it contains a large amount of nutritive matter, while it is also a remarkably heavy yielder. The great yellow roots, weighing 15 to 20 pounds each, are cylindrical in form, and since the greater portion is above the surface of the ground, they are easily harvested. **Oz 10c, ¼ lb 25c, lb 65c; by Express, 5 lbs $2.50.**

Vaughan's Mammoth Long Red. Largest and heaviest cropper of all the long red sorts; yields up to 40 tons per acre on well prepared land. Dark foliage, with bright red skin and white flesh veined with pink. Grows well up above the ground, easy to harvest. Splendid dairy feed. **Oz 10c, ¼ lb 20c, lb 60c, by Express, 5 lbs $2.25.**

Half Sugar Mangel. A variety combining the best qualities of Sugar Beets and Mangels. They are about the same shape as Long Red, but have white skin and flesh. They are highly nutritious and a big producer. Easier to harvest than Sugar Beets, **Oz 10c, ¼ lb 25c, lb 60c, by Express, 5 lbs $2.25.**

Golden Tankard. Smooth, yellow flesh, small yellow-stemmed top, length 11 inches, diameter 4 inches, shape cylindrical. Usually grows over half out of ground. Easily pulled, very hardy, good yielder. A very nutritious stock feed. **Oz 10c, ¼ lb 20c. lb 60c, by Express, 5 lbs $2.50.**

Giant Yellow Intermediate. Ovoid, between the long and globe varieties in shape, skin yellow, flesh white with yellow zones. Better than longer kinds for shallow soils. **Oz 10c, ¼ lb 20c, lb 60c, by Express, 5 lbs $2.25.**

Champion Yellow Globe. Skin a rich orange yellow, flesh white and solid; grows two-thirds above ground, hence the best for shallow soils. Good keeper. **Oz 10c, ¼ lb 20c, lb 60c, by Express 5 lbs $2.25.**

BARRES SLUDSTRUP

Holds the world's record for dry matter content. This Mangel has been awarded a first class certificate several times by the Danish Government, the highest honor in Denmark, where Mangels are as important as corn is here.

Sludstrup is a long reddish-yellow, ovoid root, growing more than half above ground. Easily harvested, and by actual test far excels any other variety, in both the weight and feeding value of yield. Our seed is from the best Danish growers. **Oz 15c, ¼ lb 25c, lb 80c.**

TURNIPS AND RUTABAGAS

Early Purple Top Strap Leaved. Early. **Pkt 5c, oz 10c, ¼ lb 20c, lb 50c. By Express, 5 lbs $1.75.**

Purple Top White Globe. Large, heavy yielder. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c. By Express, 5 lbs $2.65.**

Yellow Aberdeen. Best variety for stock. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

Vaughan's Improved Rutabaga. Good cropper. **Pkt 5c, oz 10c, ¼ lb 20c, lb 50c. By Express, 5 lbs $1.60.**

Hurst's Monarch. Large per cent dry matter. **Pkt 5c, oz 10c, ¼ lb 15c, lb 50c.**

Bangholm. See novelty page.

For descriptions of Turnips and Rutabagas see page 57.

SUGAR BEETS

Largely grown for sugar manufacture, but on account of their richness are invaluable as a stock feed when used sparingly. Our seed is from strains far superior to any usually offered. With proper culture it will produce roots testing a high per cent of sugar.

Vilmorin's Imperial. Improved French variety; large, thick at shoulder, tapering below; yields nearly as much as the Mangels, contains about 16 per cent sugar. **Oz 5c, ¼ lb 15c, lb 50c. By Express, 5 lbs $1.75.**

Klein-Wanzleben. Most popular Sugar Beet. Wedge shape, tapering to long tail. **Oz 5c. ¼ lb 15c, lb 50c. By Express, 5 lbs $1.50.**

Lane's Improved. Heavy yielder; flesh snow white. **Oz 5c, ¼ lb 15c, lb 50c. By Express, 5 lbs $1.75.**

French Red Top Sugar. Hardy, productive. **Oz 5c, ¼ lb 15c. lb 45c. By Express, 5 lbs $1.50.**

CARROTS

Carrots are very valuable for all kinds of domestic animals, and are better for horses than any other root crop When fed alternately with oats to work-teams on the farm, the value of Carrots has been found to be equal to the oats they displace. Succulent food, in part, will always prove beneficial, and this is best afforded by Carrots.

Commercial Carrot seed is covered with spines, which cause the seeds to stick together when sowing. All our seed is hand rubbed to remove the spines and overcome this difficulty.

Mastodon. Heaviest cropping Carrot. Roots short, very heavy at the shoulder, making them easy to harvest without breaking. One of the most profitable sorts. **Pkt 5c, oz 15c, ¼ lb 35c, 1 lb $1.10. By Express, 5 lbs $5.25.**

Vaughan's Half Long Danvers. Another broad-shouldered variety, cylindrical in shape, stump rooted and a wonderful producer. Fine for stock as well as being a good table sort. **Pkt 5c, oz 15c. ¼ lb 35c, lb., $1.25. By Express, 5 lbs $6.00.**

Long Orange Belgian. Best long variety. Good heavy cropper for light soils where roots can be easily dug. Exceptionally fine keeper. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10. By express, 5 lbs $5.25.**

Long White Belgian. Similar to Long Orange, except in color, **Pkt 5c, oz 15c, ¼ lb 35c. lb $1.10. By Express, 5 lbs $5.25.**

Improved Long Orange. An extra good yielder. Roots long, tapering from the shoulder to a point. Extensively grown for stock, also a good table variety. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.25. By Express, 5 lbs $6.00.**

HALF SUGAR MANGEL

FERTILIZERS

VAUGHAN'S FERTILIZERS are pure; it will pay you to use them. For Root Crops use our *Truck Manures* or *Nitrate of Soda.* See page 149.

Cauliflower is a vegetable that grows to perfection in but few localities. Ideal Cauliflower Seed of earlier types is produced only in Northern Europe. For nearly twenty years our stocks of this seed have been grown for us in Denmark. Conditions there are perfect. This seed, grown from heads especially selected for seed purposes, may be depended on for best possible crops.

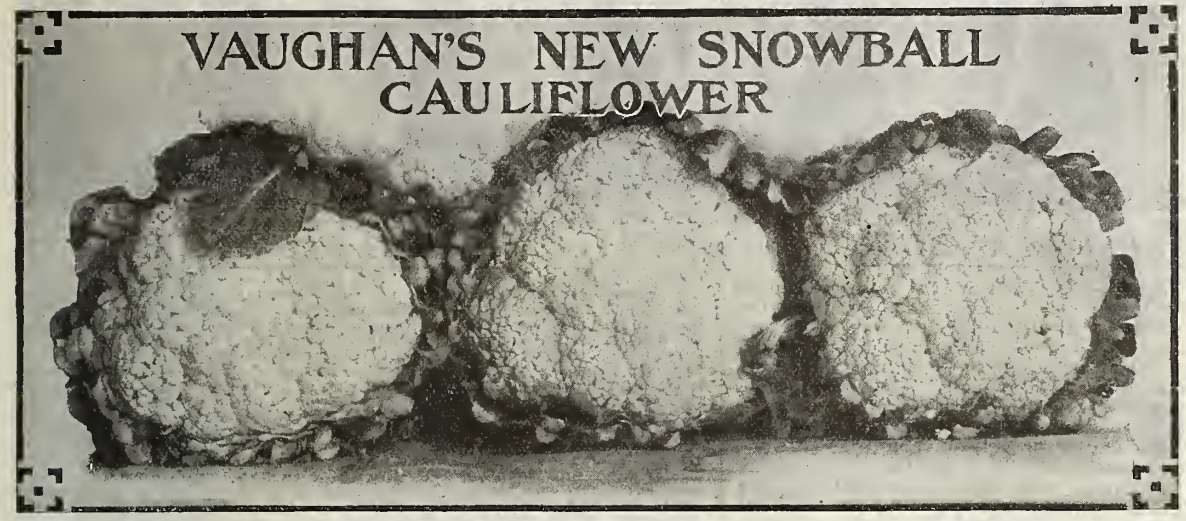
CAULIFLOWER

VAUGHAN'S NEW SNOWBALL

This is an excellent strain of this popular vegetable, the superior of which cannot be found. In size, compactness and color it represents quality of the highest type. A well grown head will measure 9 or 10 inches across and have depth in proportion, very solid and the core will be perfectly white. Cauliflower seed when perfectly bred and grown is constitutionally weaker and, on the average, lower in germinating power than the ordinary cauliflower or cabbage seed. We correct this by extra cleaning. During the many years we have sold this splendid variety to hundreds of critical market gardeners it has given uniformly the best results. We have gone to the extent of verifying the merits of this strain with those of other seedsmen, whose claims for their varieties all were of excelling quality. All our efforts to find a better variety have proven of no avail.

VAUGHAN'S NEW SNOWBALL. These facts have been verified in all tests at our trial grounds at Western Springs. We have only been able to maintain the highest quality of this seed through many years by buying only the best strain procurable at a price which is uniformly double that for which ordinary cauliflower seed can be bought. **Vaughan's New Snowball** Cauliflower is put up in packets as follows:

Pkt 25c, ¼ oz 75c, ½ oz $1.40, oz $2.50, ¼ lb $9.00, lb $32.00.



Seed Recleaned With Special Care

With great care, labor and painstaking watchfulness to bring up the standard of growth and germinating power in this variety, we reclean and resift the seed when it comes to us from its native European climate. By these means we are able to supply our customers, as nearly as possible, with only plump, well-matured seed. The exceptional care and labor we bestow upon this strain has the effect of raising its germinating power twenty to thirty per cent.

VAUGHAN'S EARLIEST DWARF ERFURT

This is a thoroughbred strain of this variety, which is a popular one. It is most desirable for forcing and planting in the open ground. It is dwarfer and a little earlier than "Snowball," but in other respects quite similar to the latter. Good strains of this seed have a pedigree extending back fifty to sixty years. This seed will produce Cauliflower the equal of any on the market. They are so high bred that it is very seldom the plants can average a good seed crop. Our seed is from a famous grower whose strain is always dear and scarce, but unexcelled.

Pkt 25c, ¼ oz 50c, ½ oz 90c, oz $1.75, 2 ozs $3.50, ¼ lb $7.00, lb $26.00.

DANISH SNOWBALL, Vaughan's Special

A little later than Vaughan's New Snowball, but a grand second early. Through many seasons of painstaking, careful selection, we offer the result in this splendid variety. It produces even, regular heads. We have sold this strain through many seasons and it has always proven itself reliable. Gardeners may trust with confidence every time. Although not so early, nor does it run as evenly as Vaughan's New Snowball, still it gives a good account of itself. **Pkt 10c, 3 pkts 25c, ¼ oz 40c, ½ oz 75c, oz $1.50, 2 ozs $2.75, ¼ lb $5.00, lb $20.00.**

EARLIEST OF ALL

This is a Danish forcing variety of Snowball, slightly smaller and ten days to two weeks earlier than Early Snowball. Very short leaved, desirable for frames and in the open ground where early market is sought; also a very sure heading variety for the amateur. **Pkt 25c, 3 for 60c, ¼ oz 75c, ½ oz $1.50.**

Large Late Algiers A vigorous late maturing variety for late fall use. Large heads. **Pkt 5c, ½ oz 25c, oz 50c, ¼ lb $1.75.**

Autumn Giant In southern localities this meets with favor as a large heading late fall sort. **Pkt 5c, ½ oz 20c, oz 35c, ¼ lb $1.10, lb $4.00.**

Extra Early Paris Very dwarf and early; heading first class. **Pkt 5c, ½ oz 25c, oz 50c, ¼ lb $1.50, lb $6.00.**

Half Early Paris Slightly larger and later than above. **Pkt 5c, ½ oz 25c, oz 50c, ¼ lb $1.50, lb $6.00.**

Lenormand's Short Stem Bears large white head, on short stems. **Pkt 5c, ½ oz 25c, oz 50c, ¼ lb $1.85.**

Extra Early, or Second Erfurt A very fine strain, producing large, white, firm heads; close and of excellent quality. **It is dwarf, extra early and always certain to head;** for early or late. We sell this largely to gardeners, who prefer it to Snowball. **Pkt 10c, ¼ oz 50c, ½ oz 85c, oz $1.50, ¼ lb $5.00.**

Large Early Erfurt This is a vigorous growing variety, with large, white, firm heads. It is the very best sort for a second crop. **Pkt 10c, ½ oz 40c, oz 75c, ¼ lb $2.50.**

The best seed for early varieties of Cauliflower comes from a very limited area in Northern Europe.

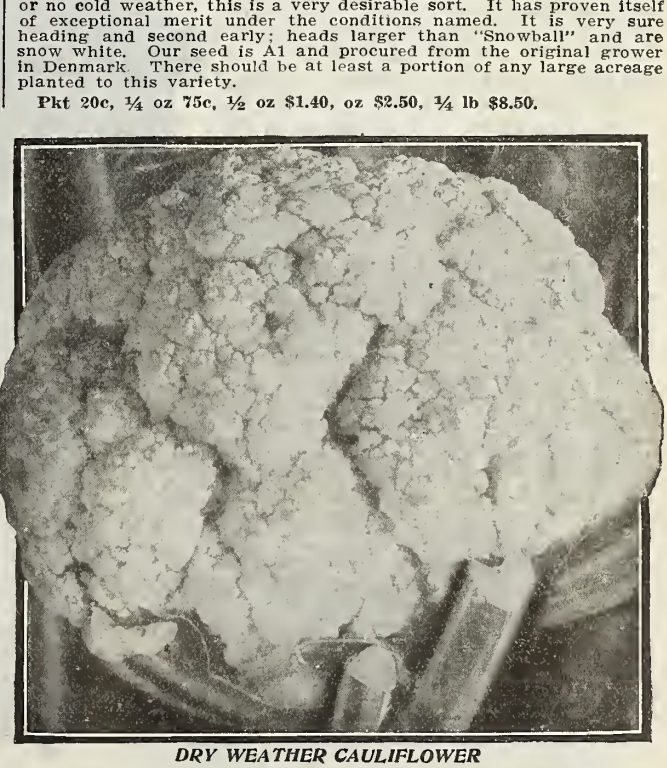
Land in this region is high in value. Cauliflower seed receives constant care and the crop is never a heavy one.

"Cabbages and Cauliflower" **A valuable treatise on growing of these two articles, by J. J. H. Gregory. Sent postpaid for 30c.**

DRY WEATHER CAULIFLOWER

This strain is offered in view of its special features recommending it as a safe crop variety. In seasons of especially dry weather and in sections of the country where warm weather prevails, and little or no cold weather, this is a very desirable sort. It has proven itself of exceptional merit under the conditions named. It is very sure heading and second early; heads larger than "Snowball" and are snow white. Our seed is A1 and procured from the original grower in Denmark. There should be at least a portion of any large acreage planted to this variety.

Pkt 20c, ¼ oz 75c, ½ oz $1.40, oz $2.50, ¼ lb $8.50.



DRY WEATHER CAULIFLOWER

Cauliflower Plants **For people who have not hotbeds or who are late planting, we grow large quantities of all sorts of vegetable plants.** **(See page 58.)**

CELERY

New Celery, Chicago Giant Self-Blanching. A Grand New White
See Novelty Page 4

VAUGHAN'S CELERY MANUAL By a practical grower, of 20 years' experience, revised and published by J. C. Vaughan. **Price, postpaid, 25c.** Will be sent free, with a Celery Seed order of $2.00, or with any general order for other seeds, amounting to $3.00, if requested.

VAUGHAN'S SELECT STOCK GOLDEN SELF-BLANCHING CELERY

GOLDEN SELF-BLANCHING

For the early market this sort is deservedly popular and is the leader nearly everywhere. The stalks are much broader and heavier than the white varieties and are eminently superior in quality. This sort produces dwarfer and much larger bunches than the other varieties and with broad heavy stalks, which blanch into a richer golden-yellow color. The very handsome color, crisp, tender stalks, which are free from stringiness, and with excellent flavor, makes this variety the market favorite. **It is the standard of excellence in the yellow varieties.** Our selected stock is grown for us in France by the introducers. This is the strain used by gardeners who plant in quantity. Our regular strain, grown in this country from seed of our selected stock, is, however, produced with the greatest possible, painstaking skill, by scientific growers of long and successful experience, and it can be relied upon to give entire satisfaction. It is thoroughly dependable, and many critical gardeners are amongst its greatest admirers. Prices: Vaughan's Selected Stock, **pkt 15c, oz 1.50, ¼ lb $5.00.**

GOLDEN SELF-BLANCHING AMERICAN GROWN, Pkt 10c. ½ oz 35c, oz 60c, 2 oz $1.10, ¼ lb $2.00, lb $7.00.

GIANT GOLDEN HEART

For winter storage "Giant Golden Heart" is the best celery you can buy. This strain has enjoyed an extensive and substantial popularity ever since we introduced it, and that popularity is due entirely to the exceptional merit it possesses. It is not only the best keeper, but **it is large, solid and sweet as a walnut and of a beautiful golden color.** It is a selection of the "Dwarf Golden Heart," grows much larger than the parent and otherwise possesses all its other excellent qualities. Prices: **Pkt 10c, ½ oz 15c, oz 25c, 2 oz 40c, ¼ lb 60c, lb $2.25.**

WINTER QUEEN

A winter and spring variety with exceptional merit. **Has double the amount of heart of any known celery.** The plant is beautiful in appearance, of close habit and compact growth; blanches to a beautiful cream white. Ribs perfectly solid, crisp, and of a delicious nutty flavor. This variety is a most valuable one for winter and spring, excelling the celebrated "Perfection Heartwell" as a **late winter keeper.** It is also much thicker, stouter and heavier. It is worthy of first place as a late celery, as it will keep longer than any other variety. Grow "Winter Queen" once and you will always grow it; it is a favorite and a money maker. Prices: **Pkt 10c, ½ oz 15c, oz 20c, 2 oz 35c, ¼ lb 60c, lb $2.25.**

GIANT PASCAL

The stalks are **very large and solid,** crisp and of rich nutty flavor. **It bleaches very easily and quickly.** The heart is golden yellow and has a very attractive appearance. For Fall and Winter, this is a splendid sort. It is a selection from the "Golden Self Blanching," and possesses many of the qualities of that strain with the added value **of keeping quality.** For Fall and Winter use this. It is certainly one of the best varieties owing to its splendid keeping qualities and marketableness. Prices: **Pkt 5c, ½ oz 10c, oz 15c, 2 oz 25c, ¼ lb 45c, lb $1.60.**

WHITE PLUME
The Gardener's Friend

WHITE PLUME

This variety which is most widely known and highly valued by market gardeners throughout the northern country has long been recognized as the best of all the **white varieties.** The special features which have made this sort both so popular with growers and consumers are its fine flavor and general excellence of quality; this interests the consumer, and the vigor, size, and marketableness for which this strain is famous, interests the grower, as a money maker. Northern country market gardeners plant large quantities of this seed every year and find the celery uniformly white and free from hollow stalks. As a keeper we do not recommend it, but for fall and early winter, as well as early spring, it has the endorsement of practical and critical market gardeners, who recognize its value as a seasonable money maker of the first class. Its habit of growth is vigorous, large size, stalks of pure white, crisp, tender, and fine flavored. Of the white varieties it is without a peer. Our carefully selected stock is produced, selected and prepared with skill, care and watchfulness which has made our stock valuable to many thousands of satisfied customers and can be relied upon as entirely dependable and worthy of your confidence. Prices: **Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c, ¼ lb 60c, lb $2.10; by express, 3 lbs $5.00, 5 lbs $8.00.**

WHITE PLUME REGULAR STOCK SEED. Pkt 5c, ½ oz 10c, 1 oz 15c, 2 oz 25c, ¼ lb 40c, 1 lb $1.50.

DWARF GOLDEN HEART

A long keeping Golden Dwarf of established merit. The heart is large surrounded by a shapely solid stalk. The heart blanches a beautiful yellow **after storing;** it requires little trimming for market as it is so shapely and solid. It has attained great popularity in many celery growing sections, so much so that it is planted to the exclusion of other well known varieties. **Pkt 5c, ½ oz 10, oz 15c, ¼ lb 25c, lb $1.60.**

STANDARD KINDS

Prices of these kinds: Pkt 5c; ½ oz 10c, oz 15c, ¼ lb 45c, 1 lb $1.60, postpaid.

Perle le Grand A popular, extra large, fine green celery, for both early and late use. A fine winter keeper.

Evan's Triumph One of the best late sorts. Excellent quality and good keeper.

Rose Ribbed Golden Self-Blanching (Golden Rose) A sort of Golden Self-Blanching, possessing all its good qualities. The ribs assume a deep, warm, rosy hue. **Pkt 10c, oz 40c, ¼ lb $1.25, lb $4.50.**

Perfection Heartwell Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

Schumacher Immense size; solid, crisp; firm golden yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

Far Superior "Many Heart" Late; very large and fine; popular in Philadelphia.

Boston Market White and solid; very dwarf; crisp and tender.

Crawford's or Henderson's Half Dwarf Solid yellowish-white; nutty flavor.

Giant White Solid Of tall, large size; very solid; pure white.

New Rose The best of red celery, solid, crisp and ornamental.

Kalamazoo Half-dwarf; white and solid.

Pink Plume Similar to White Plume. Stalks are tinged with pink.
Pkt 10c, oz 25c, ¼ lb 60c, lb $2.10.

Soup or Flavoring Celery (Old Seed) Used for flavoring soups, stews, etc. **Oz 5c, ¼ lb 12c, lb 30c.**

Soup Celery or Smallage
Pkt 5c, oz 15c, ¼ lb 40c, lb $1.50.

Celeriac or Turnip Rooted Celery See page 28.

Vaughan's Giant and Dwarf Golden Heart, Giant Pascal, Winter Queen and Evans' Triumph are the up-to-date sorts.

VAUGHAN'S VEGETABLE COOK BOOK
Tells how to cook and use rarer Vegetables, such as are listed on this page. Price, heavy paper cover, 25c; or free to every customer who buys garden seed to the amount of $2.00 and upwards and asks for same.

USEFUL VEGETABLES

Paris Market Brussels Sprouts, showing stalk

GERMAN CELERIAC, Turnip-Rooted Celery

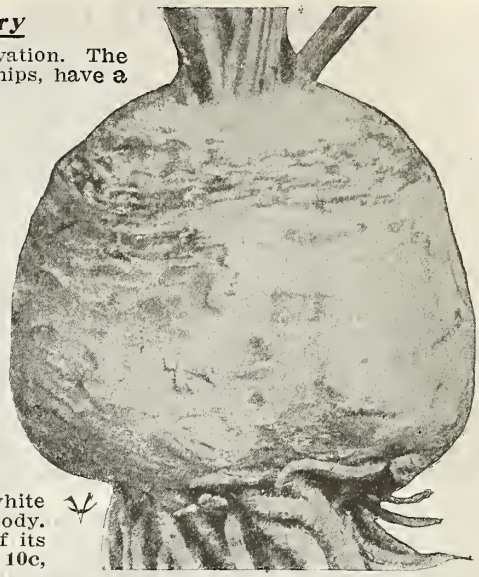
A popular German vegetable worthy of more extensive cultivation. The roots, which are used in salads or boiled like parsnips or turnips, have a celery flavor that is particularly pleasant to those who like celery. These roots keep well all winter. Celeriac is deserving of much more popularity. To aid our customers, to whom this vegetable may be new, we send with our packets recipes for its table use.

New Celeriac "Delicatess" Produces perfectly smooth oval roots, without any side roots, and never rusts. Flesh is pure white, tender and of the best quality of all varieties of this vegetable. This size does very well on light soils. **Pkt 10c, 2 for 15c, oz 35c.**

Giant Prague This is unquestionably the largest and best Celeriac for main crop, and is the most popular with American growers. The roots are very large, almost twice the size of Erfurt, almost globe-shaped, smooth, and with only a few roots at the bottom. The flavor and quality are excellent. The common kinds of Celeriac one sees while marketing are often small and crooked, with a mass of unsightly and useless roots. The Giant Prague averages very regular in shape and has few side roots. It is a general favorite. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 70c, lb $2.60.**

Earliest of All This is a variety ready in June. Flesh pure white and very tender; roots of good size, fine quality and never woody. Foliage short and tubers remarkably smooth. On account of its earliness may be planted for succession as late as July. **Pkt 10c, ½ oz 25c, oz 40c.**

Large Erfurt A standard variety. **Pkt 5c, oz 25c, ¼ lb 70c, lb $2.60.**



CELERIAC, Giant Prague

BRUSSELS SPROUTS

These are miniature Cabbages formed on the side of the stalk of the plant. These have long been considered a choice delicacy in Europe, and are being appreciated by us more and more every year. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. In the North, for early fall use, sow seed in April in hotbed; transplant to cold frame as soon as leaves develop, and set out, where the plants are to remain, in June. For late use sow seed in June.

Imported Danish A fine variety originating in Denmark. **Pkt 10c, ½ oz 25c, oz 40c.**

Paris Market Half dwarf. Excellent yielder. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.**

Improved Dwarf Dwarf habit, and less liable to aphis than the others. **Pkt 5c, oz 20c, ¼ lb 50c, lb $1.50.**

BROCCOLI

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in Northern latitudes, where Cauliflower does not do well.

Large White Mammoth Good white heads. **Pkt 10c, ½ oz 20c, oz 35c.**

Purple Cape This has purplish heads and resembles the Algiers Cauliflower in habit of growth. **Pkt 10c, ½ oz 20c, oz 35c.**

CHICORY

Large-Rooted Madgeburg The roots are cut in thick slices, roasted and used for coffee. The leaves in spring also make a good salad. **Pkt 5c, oz 15c, ¼ lb 50c, lb $1.60.**

Witloof Chicory or French Endive. This European delicacy has in the past few years become a standard salad in all of the best American hotels and restaurants. It can be easily grown by any one. Seed is planted in the spring and roots like parships are produced. The roots are stored in sand until wanted for growing on during the winter. They are then forced in soil in some deep place. Full directions with each package. **Pkt 10c, oz 25c, ¼ lb 60c, lb $2.00.**

COLLARDS, Georgia A variety of Cabbage used in the Southern States. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

DANDELION; (Lowenzahn; Dent-de-Lion) There is a growing demand for cultivated Dandelions, which are fast becoming favorite Spring Greens. The thick-leaved or Cabbage variety we list is an improvement on the common sorts, being almost double the usual size. **Pkt 10c, ½ oz 25c, oz 40c, ¼ lb $1.25, lb $4.50.**

Witloof Chicory

GARDEN CRESS

Cress or Pepper Grass (Garten Kresse; Cresson Allenois). **Curled Garden.** Much used with lettuce, to which flavor it adds an agreeable pungency, **Pkt 5c, oz 10c, ¼ lb 20c, lb 65c.**

Upland Cress Has highly prized flavor of Water Cress. Is green the whole year and ready for use before any other salad in the spring. **Pkt 5c, ½ oz 15c, oz 25c.**

Water Cress (Wasser-Cresse; Cresson). The pleasant peculiar flavor of Water Cress makes it one of the most delicate salads for table use. It will grow where there is a good supply of fresh, pure water. It can also be grown in tubs of good soil kept in a shady place, provided sufficient water is given it. Cultural directions with each packet of seed. **Pkt 10c, 3 for 25c, oz 30c.**

CARDOON Main stalks, blanched like Celery, are used for salad and in soups. **Pkt 10c, oz 20c, ¼ lb 60c, lb $2.00.**

CHERVIL (Koerbel; Cerfeuil) Similar to Parsley, but handsomer. Excellent for garnishings. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25.**

CORN SALAD (Mache-Steck Salat) A most refreshing salad. Is hardy, much used in winter in place of lettuce. May be sown either in spring or fall. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25, 5 lbs $4.75.**

Don't Forget Full directions for planting and growing all vegetables and flowers may be had, in full detail, in **Vaughan's Garden Book.** It explains fully the most satisfactory and simple methods of raising the useful and delicious vegetables described on this page. Free with every order, if asked for.

CORN SALAD

SWEET CORN | EARLY VARIETIES

MAMMOTH WHITE CORY

The great popularity of this extra early sweet corn is due to the fact that it was bred with the object of securing three important qualities:

Earliness, Size, Sweetness.

Stated in which ever order you wish, these are the dominant characteristics of this favorite strain. The combination of large size and earliness is entirely due to the care bestowed upon its breeding. The ears are as long as "Early Cory," with two to four more rows of kernels set close so that there is no loss of space in the cob. The grains are of medium size, broad, sweet and very white. Excellent eating quality, retaining its original sweetness after cutting longer than most sorts. The stalks are of medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed stock has been carefully grown and seed stock each year is selected and bred according to the ear row method as developed by scientific field corn growers. Ears are dried in crates to prevent loss of germination.

Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 75c, pk $1.35, bu $5.00.

VAUGHAN'S SPECIAL

MALAKOFF A week earlier than Mammoth White Cory, it is one of the earliest real sweet corns; ears and stalks small.

Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c); by express, 2 qts 45c, 4 qts 80c, pk $1.50.

EARLY IOWA This is a real Sweet Corn, and also one of the earliest. Like Malakoff it is a week earlier than White Cory; ears are good size but not as large as "White Cory."

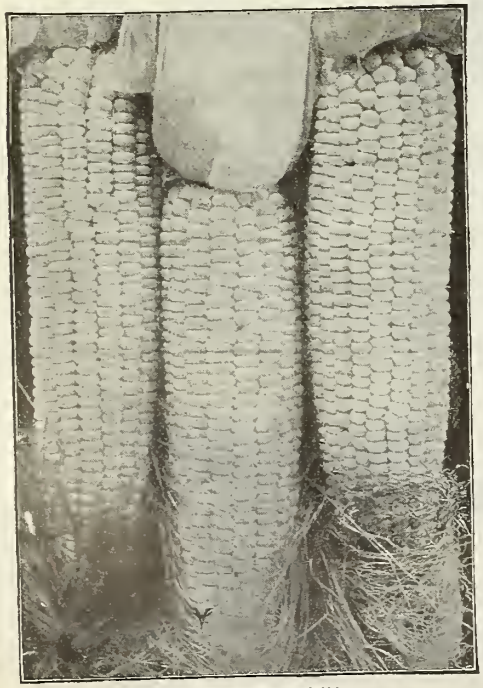
Pkt 10c, pt 20c (by mail 25c), qt 35c (by mail 45c); by express, 2 qts 50c, 4 qts 80c, pk $1.50, bu $5.50.

PEEP O'DAY Another of the "earliest" varieties; grows about 3½ feet high; bears nearly always two ears on the stalks; kernels of good white color; this variety is very similar to Malakoff. Our seed is raised in the North to insure earliness.

Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), ½ pk 75c, pk $1.35, bu $5.00.

PREMO Of the "White" early Sweet Corns this is a fine variety of good quality. Stalks of medium height, ears eight rowed, rather large, quite hardy, so it may be planted early.

Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.



EARLY EVERGREEN
About One-third Natural Size

GOLDEN BANTAM

This is a new early sweet corn, of remarkable popularity, due to its high quality. Some of our customers who prefer this sort to all other kinds are planting it at regular intervals during the season so they may have a continual supply for their table. In season it is medium early, about a week later than "Mammoth White Cory," and is regarded as the best yielder in its class. An economic feature of this strain is in the stalks, which are of medium height bearing heavy foliage which has a value as forage. It may be planted thickly and in the middle states as late as July 20th. The ears are borne two to a stalk and are about six inches in length and with eight rows of kernels on a cob. The kernels are a golden yellow color which at first gives the impression of field corn; however, as soon as it is tasted the eater calls for "some more;" tender, sweet, and delicious flavor are the reasons for the "more" call.

Pkt 10c, pt 20c (by mail 25c), qt 30c (by mail 40c); by express, 4 qts 80c, pk $1.50, bu $5.75.

VAUGHAN'S SPECIAL

EARLY MINNESOTA This is an old favorite early sweet corn; not as early as "Mammoth White Cory" by a few days. Eight to ten rowed, excellent quality, large white grains, and extremely productive. This latter is its most pronounced distinctive quality.

Pkt 10c, pt 15c (by mail 20c), qt. 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.

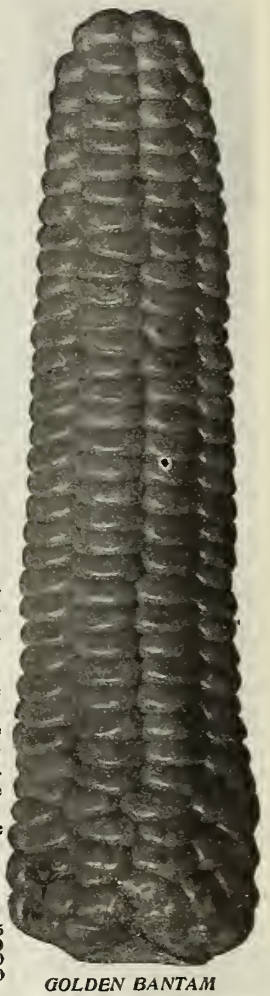
METROPOLITAN A popular early variety in the eastern states; season between "Minnesota" and "Champion;" ear 10 to 12 rowed, kernels large and very sweet; very hardy and germinates better than most varieties in cold soil; is ready for use or sale between extra early and second early sorts.

Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 75c, pk $1.35, bu $5.00.

OTHER SORTS

	Pkt.	Pt.	Qt.	Pk.	Bu.
Early Cory	10c	15c	25c	$1 10	$4 25
Adam's Early	10	15	25	1 00	3 50
Adam's Extra Early	10	15	25	1 00	3 50
Crosby's Early	10	15	25	1 25	4 50

If by mail, add 5c per pint, 10c per quart.



GOLDEN BANTAM
"Its Sweetness and Delicate Flavor Linger in the Memory"

SECOND EARLY AND LATE SORTS

EARLY CHAMPION

Of the second early sorts Early Champion takes first place in popular favor. It is one of the earliest large Sweet Corns. Compared with "Mammoth White Cory" it is two weeks later in season. The ears compare favorably with those of the later sorts such as Evergreen. The ears are 12 rowed, very uniform, kernels are pure white and not too large (see illustration), but very sweet, tender and full of milk. The cob is medium size, white; stalks are vigorous, a good many yielding three ears to the stalk. In some localities this corn is planted by gardeners for both early and late sorts. We have a very uniform and well bred stock.

Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.

EARLY EVERGREEN

Very large ears; ripens about 8 to 10 days in advance of Stowell's Evergreen, of which it is a slightly smaller edition. The variety remains green for a long time, and in Northern localities it is much surer of making than Stowell's Evergreen. **Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.**

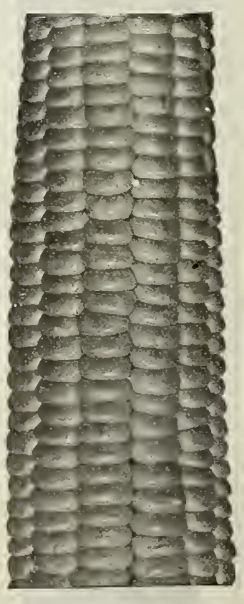
BLACK MEXICAN

Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat.

Pkt 10c, pt 15c (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.

VAUGHAN'S BLACK SUGAR

This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation. **Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), ½ pk 75c, pk $1.35, bu $5.00.**



EARLY CHAMPION
Note Whiteness and Small Size of Kernels

SWEET CORN

MEDIUM AND LATE VARIETIES

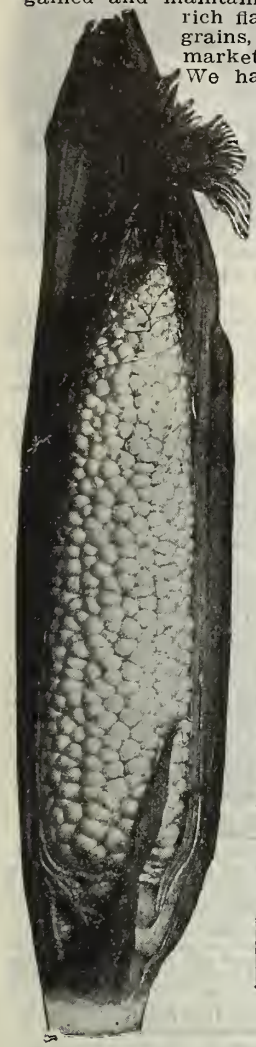
STOWELL'S EVERGREEN

Standard main crop variety. Strong and vigorous stalks, seven to eight feet high; produces ears eight inches long with 16 or more rows of the finest sugary grains. This variety has gained and maintained a reputation for productiveness, fine rich flavor and sweetness, deep set tender white grains, making it the most popular favorite. In market, home, or cannery it always is a success. We have specialized this for many years and our seed is the best you can buy. The New England grown seed develops a larger percentage of sugar than that grown in other sections of the United States. We quote prices for both kinds —the New England grown seed and that grown in the Central States.

Stowell's Evergreen (Eastern Connecticut grown). Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), ½ pk 75c, pk $1.35, bu $5.00.

Stowell's Evergreen (Western grown Eastern stock seed). Pkt 10c, pt 15 (by mail 20c), qt 25c (by mail 35c), ½ pk 70c, pk $1.25, bu $4.50.

STOWELL'S EVERGREEN



COUNTRY GENTLEMAN
The sweetest of all corns

COUNTRY GENTLEMAN

The Sweetest Corn; grows on stalks six to seven feet high, ears seven to nine inches long. Its distinguishing features are seen in the irregularity of the crowded grains, their size, shape and tenderness. The grains are small, pure white, tender and deliciously sweet. It is a late main crop, good for cannery, market or home garden. If you plant Corn you should certainly have this variety.

Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), ½ pk 75c, pk $1.35, bu $5.00.

Pkt, any of the following, 10c. If by mail, add 5c to pint and 10c to quart prices for postage.

	Pt.	Qt.	½ Pk.	Pk.	Bu.
Kendall's Early Giant	15c	25c	70c	$1.25	$4.50
Early Mammoth	15c	25c	70c	1.25	4.50
Moore's Early Concord	15c	25c	70c	1.25	4.50
Old Colony	15c	25c	70c	1.25	4.50
Hickox	15c	25c	70c	1.25	4.50
White Evergreen	15c	30c	75c	1.35	5.00
Late Mammoth	15c	30c	75c	1.35	5.00
Perry's Hybrid	15c	25c	70c	1.25	4.50

Sweet Corn for Succession. Plant the following varieties at one time and they mature so as to furnish green corn throughout the season: Mammoth White Cory, Early Champion, Stowell's Evergreen. Special offer: **1 pkt each (3 varieties) 25c, pint each 35c (by mail 50c), quart each 75c (by mail 95c).**

CHICAGO PICKLE—The Most Popular

CUCUMBERS

PICKLING VARIETIES

CHICAGO or WESTERFIELD PICKLE

An introduction of our own, this variety has become a recognized standard of best value. Its maintenance by us at the highest quality point is a matter of great pride and attended to with the greatest care. Many of the leading growers of the country are supplied by us with our finely selected seed. Manufacturers pay the highest prices for this splendid variety because of its general excellence for pickling purposes. The fruit when ripe is of medium length, pointed at both ends, with large prominent black spines. The fruits are just the right shape and size for the best kind of pickles. Vines set fruit when young and continue bearing longer than any other variety.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

SNOW'S FANCY PICKLING

SNOW'S FANCY PICKLING

This is a selection made originally from the "Chicago Pickle" by a veteran pickle grower in the west. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The small pickles, although quite similar to the Chicago Pickle, have an additional value where blight prevails. The fruit being smaller, the blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us and under our own direct supervision.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

IMPROVED JERSEY PICKLE

This is a famous kind for making vinegar pickles. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." Its shape in the fruit is broader at the tip than at the stem end. While in the pickle state it is nearly straight. It is very prolific. Our seed is very uniform and finely selected. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

THE CUMBERLAND PICKLE

This is a variety of the white spine type. Very hardy and a strong rapid grower, and gives very prolific yield. The pickles differ from all other hardy sorts, being thickset with fine spines except on the extreme stem end. The flesh is very firm, crisp and tender at all stages. It is excellent for both pickles and slicing.

Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

WEST INDIA GHERKIN. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young.

Pkt 10c, oz 20c, ¼ lb 60c, lb $1.50.

VAUGHAN'S XXX PICKLING. Fruits protrude from under the vine, making picking comparatively easy.

Pkt 10c, oz 20c, ¼ lb 40c, lb $1.00.

	Pkt.	Oz.	¼ lb.	Lb.
Extra Early Green Prolific or Boston Pickling	5c	10c	30c	90c
Early Cluster	5c	10c	30c	90c
Fordhook Pickling	5c	10c	30c	80c
Early Frame or Short Green	5c	10c	30c	90c

CUCUMBERS | FOR SLICING

The best and most popular kind of cucumber for slicing is the white spine variety; and of this variety there are many sorts. The kinds catalogued here have been selected because of their adaptability and usefulness to the requirements of market gardeners, and also the lovers of home-grown and pickling and slicing cucumbers. Vaughan's "Arlington White Spine," Vaughan's "Boston Forcing," "Extra Long White Spine," "Davis Perfect," "New Century," "Improved White Spine," "Cyclone," "Rocky Ford," etc., afford a selection adequate to the requirements of the varied tastes, conditions, and local necessities of our customers and our friends.

Vaughan's "Improved Arlington White Spine" is superb as a slicing cucumber.

Vaughan's "Improved Long Green" is a splendid slicing or pickling variety.

Other varieties named possess merits which will enable you to make the selections best suited to your needs.

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

(7 to 10 Inches)

This is a medium sized variety of attractive and desirable type. The color is a glossy green throughout the entire length of the fruit. In shape it is straight and symmetrical, in season it is early. The quality, tender, firm, and excellent flavor, makes it a great favorite, particularly in the Southern country. Vaughan's "Improved Arlington" is a superior strain and recognized as standard by all growers. As a home-garden sort and for the Southern trucker it is an ideal variety, but a trifle too small for Northern market growers. The rich color, fine quality, and beautiful shape of Vaughan's "Improved Arlington White Spine" make it ideal for the home garden. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.**

VAUGHAN'S BOSTON FORCING WHITE SPINE

This is a darker green and more slender than "Arlington," very even and smooth, the fruit being from 8 to 10 inches in length. Remarkably prolific and of great value for Hot-bed or Green-house where a medium sized fruit is demanded. The whitish markings are faint and more blended with green than is usual. As a producer it is almost twenty-five per cent more fruitful than other forcing strains.

The seed we offer is of exceptionally high quality as is shown by the fact that fruits produced from it command a much higher price in New York, Philadelphia, and like cities, during the forcing season, than other strains. For outdoor planting in Southern locations, this is a most valuable strain. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.**

EXTRA LONG WHITE SPINE

IMPROVED LONG GREEN

Vaughan's Selected Stock

Of the Black Spine varieties this is one of the best for slicing and for pickles; a selection from the **"Long Green."** The vines are very vigorous and productive. The fruit, which is twelve inches long, is formed almost as early as the short sorts. They are firm, crisp, and of fine flavor, with a certain distinctiveness of their own. The fruits make excellent pickles, and when ripe, they make the very best sweet pickles. Those who desire a long, dark green, black spine cucumber, will find this strain to be unsurpassed in any feature that makes for first class quality. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00. By express 5 lbs $4.00.**

IMPROVED LONG GREEN

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

NEW CENTURY A fine long strain of white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color remarkably well so that altogether it is one of the best for slicing. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

DAVIS' PERFECT CUCUMBER—New—See Novelty pages. One of the very handsomest of the very long white spine cucumbers. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.**

FORDHOOK FAMOUS White Spine. As long as the "Davis" slightly bent but very handsome, twelve to seventeen inches long. Quality is superb. Color is very dark green, never turning yellow. Very vigorous. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.10.**

CYCLONE A short variety, three or four inches in length; the earliest of all White Spine Cucumbers; prolific. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

IMPROVED WHITE SPINE Medium length.. The fruits are very straight, light green color. A fine yielder under all conditions. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

ROCKY FORD (Klondyke)—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper, good dark green color, which it keeps. Fine for shipping. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

COOL AND CRISP A splendid cucumber for slicing. Early and prolific. Owing to its dark green skin, which is covered with knobs upon which the black spines set, this sort makes a fine appearing pickle. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

EMERALD A very smooth and almost spineless cucumber. Color a fine dark green which it retains well. Its quality for slicing is excellent. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

NICHOL'S MEDIUM GREEN. An old popular variety. Medium in length, as name implies. Color dark green; flesh crisp and of good flavor. The vines are productive, season early, and the fruit straight and smooth. Good for both pickling and slicing. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

EXTRA LONG WHITE SPINE

THE EXTRA LONG WHITE SPINE, or "Evergreen," as it is sometimes called, is the standard and most popular of the **Long** White Spine varieties. In season it is early, vigorous, and prolific, more blight-proof than the **ordinary long sorts.** The shape is straight; smooth, dark, shiny green in color; 8 to 12 inches in length, and, compared with "Davis Perfect," is larger in diameter. The flesh is crisp, tender and of superb flavor. For general market and home use it is without a superior in this variety. The seed we offer is the result of a number of years of exhaustive trials and a scientific selection from the pick of different strains of many growers. **Select stock: Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

ENGLISH FRAME CUCUMBERS

Rollison's Telegraph. A standard greenhouse variety. English greenhouse grown stock. **Pkt 50c.**

Prescott Wonder. A fine flavored sort. Good yielder. **Pkt (50 seeds) 25c.**

Carter's Model. One of the best English varieties. Immense size. Straight and smooth. **Pkt (25 seeds) 25c, 3 for 65c.**

Noa's Forcing. An old standard. **Pkt 50c.**

Vaughan's Prolific Forcing. This is early and shorter than other sorts. Very uniform and a good yielder. **Pkt (25 seeds) 20c, 3 for 50c.**

Grand Rapids Forcing. A very long American sort. **Pkt (65 seeds) 50c net.**

ODD CUCUMBERS

Japanese Climbing This sort grows quickly, climbing poles or trellis, thus taking up very little room in the garden. The fruits are of good size and of fine flavor, adapted especially for slicing and salads. Does best in dry, warm summers. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.**

Lemon Cucumber This is to be distinguished from the Garden Lemon (see page 38) and is a real cucumber, similar in appearauce but with a luscious cucumber flavor. A distinct and worthy addition to the cucumber list. **Pkt 10c, oz 25c.**

Serpent or Snake A peculiar long cucumber, usually much twisted. **Pkt 5c, oz 20c.**

EGG PLANT.

New York Improved-The most planted

VAUGHAN'S IMPROVED NEW YORK, LARGE PURPLE

Absolutely spineless, finest type of this standard variety. The plants grow low, stalky and branching, bearing early and almost continuously. The fruits are large and satiny smooth and are a rich purple color. We take particular pride in our fine even strain of this variety and so do those who plant it. **Pkt. 10c, oz 30c, ¼ lb. $1.00, lb $3.50.**

BLACK BEAUTY Earlier than New York Spineless by ten to twelve days. The fruits are very attractive in form, being broad and thick, their rich purple color is lustrous, which adds elegance to their appearance. Not so heavy a yielder as improved New York. For northern home gardens and trucker's most desirable. **Pkt 10c, oz 35c, ¼ lb. $1.00, lb $3.75.**

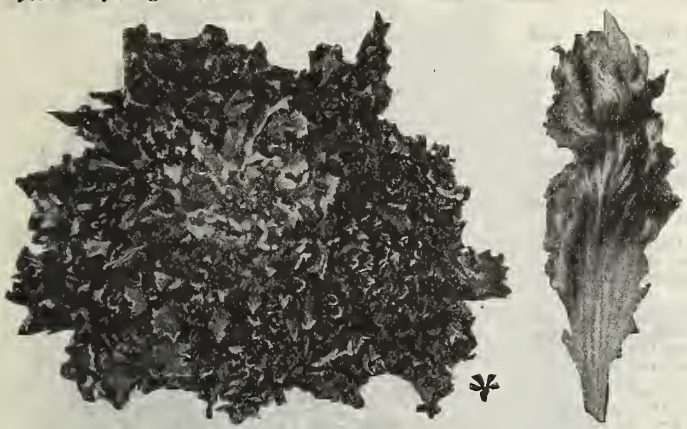
BLACK PEKIN Fruit is round and almost black, Flesh white, solid, fine grain and delicious flavor. Early and good marketable size. **Pkt 5c, oz 35c, ¼ lb 90c, lb $3.50.**

VERY EARLY DWARF PURPLE Extremely early, resembles New York Improved in shape and color, but is smaller and earlier. **Pkt 5c, oz 25c, ¼ lb 75c, lb $2.75.**

BLACK BEAUTY—An early variety, hence particularly suited for northern planting.

GARLIC, Selected Bavarian

KNOBLAUCH—AIL. This is a particularly fine strain Garlic. It is larger and more even than ordinary Garlic, keeps longer and is snowy white. **Lb 25c, 3 lbs 65c, 5 lbs $1.00, 10 lbs $1.85. If by mail add 10c per lb for postage.** ☞**ORDINARY GARLIC**—Write for prices.



GREEN CURLED ENDIVE

KOHLRABI

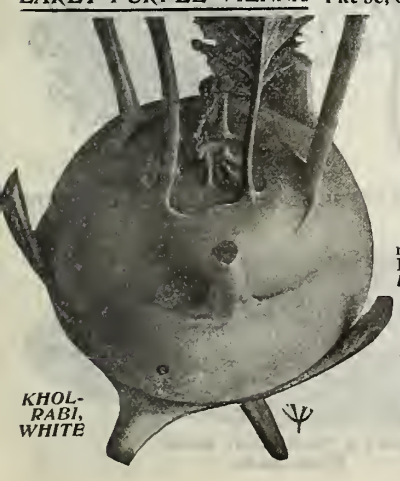
Sow seed June and July Rows 18 in apart. Thin to 1 ft.

If you have not tried this splendid vegetable in your garden, there is a treat in store for you when you do, Kohlrabi bulbs are formed above ground. They are trimmed and cooked like Turnips when young; they are much sweeter and have a finer flavor than Turnips.

KING OF THE EARLIES An extra choice strain of White Kohlrabi, very quick growth, very tender and very fine flavor. The leaves are short, which permits close planting and raising in frames for early use. This vegetable is not sufficiently known or it would be more widely appreciated and extensively used. We enclose with orders directions for raising and cooking. **Pkt 10c, oz 25c, 2 oz 45c, ¼ lb 75c. lb $3.00.**

EARLY WHITE VIENNA White and tender. **Pkt 5c, oz 20c, 2 oz 40c, ¼ lb 60c, lb $2.20.**

EARLY PURPLE VIENNA **Pkt 5c, oz 20c, ¼ lb 60c, lb. 2.20.**



KHOL-RABI, WHITE

SHORT TOP EARLY ERFURT

Excellent for forcing in open ground; flesh white, very tender, leaves very short. **Pkt 5c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 75c, lb $2.75.**

HORSE RADISH SETS

NEW BOHEMIAN HORSE RADISH or Maliner Kren. An introduction of the U. S. Department of Agriculture. A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it.
Sets or Roots, doz 25c, postpaid, by express, 50 for 50c, 100 for 85c.

ORDINARY HORSE RADISH Roots will produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 in. under soil. **100 for 70c (by mail 85c), 300 for $1.80, 500 for $3.00, 1,000 for $5.50.**

ENDIVE

ENDIVEN SALAT—CHICORY ENDIVE A vegetable garden is incomplete without this refreshing and delightful autumn and winter salad. Sow seed from middle of June to the end of August.
GREEN CURLED SUMMER. The standard variety for fall and winter crops. Leaves are finely divided making the plant appear mossy, and when centers are blanched most beautiful. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.**
GREEN CURLED WINTER. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.**
STAGHORN The best for early. It does not go to seed if planted in the hot-bed then transplanted outdoors. This is a great advantage for early growth and brings it into the first early market where it is "A money maker." It has sold at 25 to 30 cents a dozen in the Chicago Market. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.**
GIANT FRINGED OR OYSTER. Most beautiful in contrast. snow white heart against the fine delicate green fringe surrounding it, **Pkt 5c, oz 10c, ¼ lb 40c, lb. $1.50.**
MOSS CURLED. Fine quality. **Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 35c, lb $1.10.**
BROAD LEAVED. Slightly Curled. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.**
EVER WHITE CURLED. Very crisp. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.50.**

Exeelsior Moss Curled Curled Kale—The best of all.

KALE OR BORECOLE

Green for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later. Much used by German-Americans.
DWARF GREEN CURLED KALE. Hardier than Cabbage. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north. **Vaughan's Extra Selected Stock.** An excellent strain. **Pkt 5c, oz 15c, ¼ lb 30c. lb $1.00.**
VAUGHAN'S EXCELSIOR Moss Curled Kale, By far the best Kale in existence. Plants grow 18 to 21 inches high and produce as many as 50 usable leaves to a plant. Leaves very early and unsurpassed in flavor. **Pkt 10c, oz 20c, ¼ lb 50c, lb $2.00.**
TALL GREEN FINE CURLED. **Pkt. 5c, oz 15c, ¼ lb 30c, lb $1.00.**
SIBERIAN. Called "Sprouts" and "German Greens" Not so curly as Dwarf Green Kale. Plant low spreading and very hardy. **Pkt 5c, oz, 10c, ¼ lb 20c, lb 60c.**
SEA KALE. A vegetable long known, but until brought into notice through recommendations of U S. Agricultural Department, suffered neglect. Ready for use earlier than Asparagus, and combines flavor of that grass and Celery. Its Blached stalks are cooked like Asparagus or, with its leaves, used as greens. Sea Kale comes usually from seed, but can be grown from off-sets or root cuttings, The long tap root requires rich deep soil. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year though some reports give earlier results; as soon as shoots show above the half-frozen ground, blanch with earth, boards, sand, etc., until ready for use. **Pkt. 5c, oz 10c, - lb $1.00.**

HERBS—Sweet, Pot and Medicinal.

SWEET MARJORAM—MAJORAN—MARJOLAINE

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom. They should then be dried quickly in the shade, and when dry be packed closely in boxes with the air entirely excluded.

Varieties preceded by an * are perennials.

ANISE Used for garnishing, seasoning and for cordials. Pkt 5c, oz 10c, lb 80c.

***BALM** Used for making Balm wine and tea. Pkt 5c, oz 20c.

BASIL, Sweet The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt 5c, oz 15c, lb $1.35.

BENE The leaves immersed in a tumbler of water make a drink very beneficial in cases of dysentery. Pkt 5c, oz 15c.

BOHNENKRAUT See Summer Savory.

BORAGE Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt 5c, oz 15c, ¼ lb 40c.

BORAGE—GURKENKRAUT—BOURRACHE.

ROSEMARY.

CARAWAY Seeds are used for flavoring bread, pastry, meats, etc. Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

CATNIP or Catmint Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt 10c, oz 30c.

CHAMOMILE (Matricaria Chamomile) The dried flowers possess medicinal value. Prescribed by physicians as an emetic and vermifuge. Pkt 10c, ¼ oz 25c.

***CHIVES.** Used for seasoning. Plants, per clump, 10c; doz., $1.00. By mail, add 5c per clump for postage. Seed, pkt., 10c; ½ oz., 30c; oz., 60c.

CORIANDER. The seeds are used for flavoring. Pkt., 5c; ¼ lb., 20; lb., 75c.

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 10; ¼ lb., 20c; lb., 60c.

***FENNEL.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 5c; oz., 10c; ¼ lb., 25c.

FENNEL FLORENCE. An excellent legume with agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Very distinct from Common Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.

***HENBANE.** The growing plants are supposed to absorb malaria. Pkt., 5c; oz., 25c.

***HOP SEED.** Pkt., 15c.

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 5c; oz., 15c,

HYSSOP. The tops and flowers are used for Hyssop tea. Pkt., 5c; oz., 15c.

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. Two kinds.

LAVENDER TRUE (Lavendula vera). The best. Pkt., 10c; oz., 35c; lb., $3.50.

Lavendula spica. Not quite so strong. Pkt., 5c; oz., 10c; lb., $1.00.

LAVENDER PLANTS. Give much better results than seed. First size, 15c each; 3 for 40c; doz., $1.25; 2nd size, 25c each; doz., $2.00, postpaid.

MARJORAM (Sweet). The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25.

***MINT, Old Fashioned.** For mint sauce and julips. Plants 1 yr. old, 10c each; doz., $1.00 postpaid. Plants 2 yrs. old, 20c each; doz., $2.00 postpaid. Large plants (by express), 50c each; doz., $4.00.

PENNYROYAL. Leaves are used for seasoning puddings and various dishes. Pkt., 10c.

PEPPERMINT. The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. 25 seeds, 10c; 100 seeds, 30c; 500 seeds for $1.25.

PIMPINELLA (Burnett.) The young tender leaves are used as salad; they have a flavor resembling that of cucumbers. Pkt., 5c; oz., 15c.

ROSEMARY. The leaves are used for seasoning. Pkt., 5c; oz., 35c.

***RUE.** For medical purposes; good for fowls for the croup. Pkt., 5c.; oz., 15c.

SAFFRON. Used for coloring certain dishes, also flavoring. Pkt., 5c; oz., 10c; ¼ lb., 30c.

SAGE, Holt's Mammoth. The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 2 ft. in diameter. They are perfectly hardy and make a still larger growth the second season. Price, each, 15c, 3 for 25c, 7 for 50c, 15 plants for $1.00 by mail, postpaid.

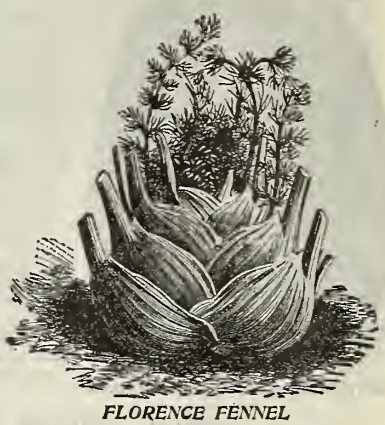
SAGE Leaves and tops are used for seasoning and stuffing. Pkt 5c, oz 15c, lb $1.50.

SUMMER SAVORY The leaves and young shoots are used for flavoring, especially for boiled string beans. Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

TAGETES LUCIDA. This possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. Pkt., 5c; ½ oz., 25c.

***TARRAGON (Artemisea dracunculus).** For vinegar making. The leaves, dried or fresh, are steeped in ordinary vinegar. The flavor thus added is much liked. A hardy perennial. Plants only. First size, 15c each; doz., $1.00; 2nd size, 25c each; doz., $2.50, postpaid.

THYME. Used for seasoning; a tea is also made for nervous headache. Pkt., 5c; ½ oz., 15c; oz., 30c; lb., $3.50.



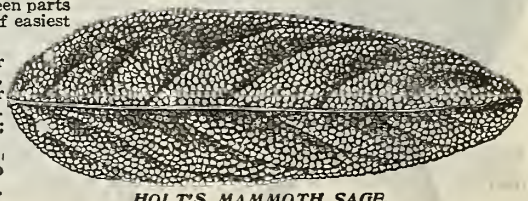
FLORENCE FENNEL

WALDMEISTER (Asperula Odorata) Used in May Wine and also for scenting clothes. Pkt 10c.

***WORMWOOD** Beneficial for poultry; should be planted in poultry yards. Pkt 5c, oz 20c, ¼ lb 60c, lb $2.20.

LAVENDER—LAVENDEL—LAVENDE.

SUMMER SAVORY-BOHNENKRAUT-SARRIETTE



HOLT'S MAMMOTH SAGE.
Plants Only.

LETTUCE

CURLED OR LOOSE LEAVED SORTS

Two ounces of seed to 100 yards of row, 4 pounds to the acre, 40 to 50 days from seed to maturity.

LETTUCE, Vaughan's Select Grand Rapids

See illustration opposite, drawn from nature

This is one of the Famous Vaughan Specialties. Our stock of this variety which we supply by the hundreds of pounds to the Greenhouse and Market Gardeners throughout the United States is as nearly perfect as it is possible to grow the variety. We use such extreme care on this that we even check our growing reports by Greenhouse purity test before selling the different lots.

Grand Rapids is a finely curled leaf lettuce and is the kind most planted in those sections where leaf lettuces are in favor. It is the ideal greenhouse and hot bed variety for it produces a beautiful, finely curled, crisp leaf in the shortest possible time; it takes up very little room in the beds owing to its upright habit and in the market it will keep from wilting longer while exposed for sale than any other variety. In the garden, for those who like a leaf lettuce, there is no more tender, crisp, and better flavored sort.

VAUGHAN'S SPECIAL

Vaughan's Select Stock: Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb $1.25, 5 lbs $5.50. Regular Stock: Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 25c, lb 85c, 5 lbs $3.25.

BLACK SEEDED SIMPSON, Most Desirable for the Amateur's Garden

TILTON'S WHITE STAR A distinct variety of the Black Seeded Simpson type, which grows larger and more rapidly. Its leaves are broader, thicker, darker and a little less frilled at the edges. Forms a large loose head, blanches well, and is of good quality. A desirable sort for outdoor use, as it is slow running to seed. **Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 25c, lb 85c.**

EARLY PRIZE HEAD For many years the most popular of the large loose headed sorts. The leaves are finely crimped and fringed, the outer sides being somewhat shaded with brown. Exceedingly crisp, sweet and tender. Excellent for the home garden. **Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.**

EARLY CURLED SILESIA It is the old favorite, dwarf, compact habit, and thick growth. The crisp golden leaves have finely curved edges. **Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.**

EARLY CURLED SIMPSON White seeded. One of the best of the leaf lettuces. Quite similar to Early Curled Silesia. **Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.**

THE MORSE A careful selection from the Black Seeded Simpson by a seed grower of large experience. A very desirable strain of this type of lettuce for growing under glass. Leaves are beautifully wrinkled, and of a bright green color. **Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 25c, lb 85c.**

EARLY HEAD LETTUCE—May King

See next page for other Head Varieties

A desirable, very early head lettuce has long been sought. This new variety meets the requirements. Growth rapid—so rapid it is ready far ahead of other heading sorts. Heads medium sized with outer leaves folding close to the head, thus permitting close planting for frame work; color fine, outer leaves tinged slightly brown; heart of a beautiful appetizing yellow; quality excellent, leaves being exceedingly tender. **Pkt 5c, ½ oz 10c, ¼ lb 35c, lb $1.25.**

LETTUCE, VAUGHAN'S SELECT STOCK GRAND RAPIDS

BLACK SEEDED SIMPSON

VAUGHAN'S SELECTED STOCK By far the most popular of leaf Lettuces in those localities where leaf lettuce is grown. For the amateur gardener who does not transplant nor thin his crop and therefore has no success with head lettuce, this is the best sort. Grows a large leaf of ideal green color, the inner leaves forming a loose head. The leaves are quite thin, very tender, crisp, and of fine quality. The most desirable all-around lettuce. Good under glass, and excellent for frames or early planting. During the summer it withstands the heat as well as any other sort. It is largely planted, and is the best, outdoor leaf lettuce for market gardeners. Our strain is a very fine one; all our stock seed being saved each year from extra selected plants.

Vaughan's Select Stock: Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 35c, lb $1.25. Black Seeded Simpson, very choice: Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 25c, lb 85c.

DENVER MARKET FORCING An early variety of loose headed type, either for forcing or open ground. Forms good sized heads of light green color. Leaves are handsomely marked and blister similar to a Savoy cabbage. Very crisp and tender. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

LEEK—LAUCH PORREE

LARGE MUSSELBURG Enormous size leaves, large and broad, mild, pleasant flavor. **Pkt 5c, oz 25c, ¼ lb 45c, lb $1.60.**

BULGARIAN WINTER This is one of the most desirable of Leeks, being extremely hardy and of enormous size, the stock being tender up to a height of 15 in. **Pkt 10c, ½ oz 15c, oz 30c, 2 ozs 50c.**

BROAD SCOTCH OR LONDON FLAG Hardy. A large, strong plant with broad leaves. **Pkt 5c, oz 25c, ¼ lb 45c, lb $1.60.**

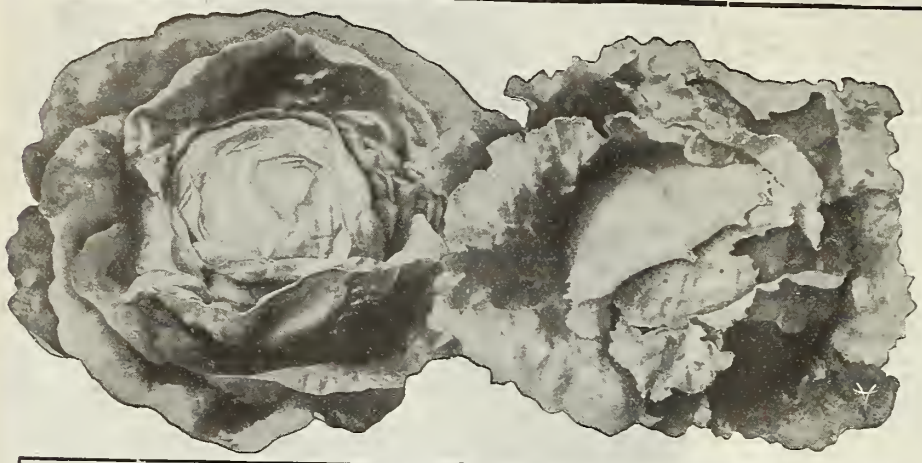
ROUEN, VERY LARGE WINTER Large and excellent, enormous in size, best of all. **Pkt 5c, oz 25c, ¼ lb 45c, lb $1.60.**

LONG MEZIERES One of the most desirable of the Leek varieties. Has broad, vigorous, erect leaves, and long, good-sized stem, of snowy-white color and best flavor. It is very hardy. For market garden use is unsurpassed. **Pkt 10c, oz 30c, ¼ lb 70c, lb $2.60.**

LARGE MUSSELBURG

Field and Greenhouse Trials for Germination and Purity are Made of All Our Lettuce Seed

CABBAGE or HEAD LETTUCE



Vaughan's All Seasons Lettuce A distinct sure heading variety for all seasons. Heavy thick leaves, buttery and of delicious flavor.

Improved Hanson A heat resisting curled leaved lettuce for mid-summer planting. Crumpled leaves, crisp and tender, inside portions being almost white.

Vaughan's All Seasons

When we introduced this distinct mid-season variety in 1897, it at once jumped into great popularity and is today unsurpassed as a head lettuce for general home and market garden use in Northern climates. Around Chicago it is the most popular of all the head lettuces. Its features are large, handsome, extremely solid head, almost as large as a Flat Dutch Cabbage; color, a light grayish green, never spotted nor brownish; leaves broad and the head being large, the inner leaves are beautifully blanched; very slow to run to seed; sure heading; and the quality excellent, decidedly buttery with thick leaves of much substance. Chicago gardeners find our introducer's selected seed far superior to that offered by other seedsmen. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.25.**

EXPRESS COS LETTUCE

COS LETTUCE

These Lettuces have a distinct upright habit and are considered by many to be the highest quality of all lettuces. Very crisp and sweet.

EXPRESS COS. The most dwarf and earliest of all. Delicious flavor. Self closing. **Pkt 10c, oz 15c, ¼ lb 50c, lb $1.50.**

PARIS WHITE COS. Grows to large size. Self-closing. **Pkt 5c, oz 10c, ¼ lb 40c, lb $1.10.**

TRIANON COS. Similar to above, but grows whiter and matures earlier. **Pkt 5c, oz 10c, ¼ lb 40c, lb $1.10.**

BLONDE BEAUTY

We consider this a most splendid sort, and worthy a trial in every garden. It resists the heat to a remarkable degree and is also an excellent keeper after being cut; is tender, sweet, crisp and juicy. It is a distinct sort, recommended for shipping and the home garden. **Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 35c, lb $1.10.**

CALIFORNIA CREAM BUTTER

This is one of the best of the Summer varieties of Head Lettuce. The heads are of good size, and are so very solid they often have to be cut before the seed stalk can appear. They are crisp, have a rich, buttery flavor and are an ornament to the table. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

ST. LOUIS BUTTER HEAD

This fine sort attracted the attention of many visitors at St. Louis during the recent fair. It has been a local variety there for a number of years, one of the local market growers growing a special strain, which has attained high popularity. The head is large and solid as a cabbage with beautiful, crumpled, yellow inside leaves of the finest quality. Since its introduction in other markets it has had a large demand. Our Chicago gardener customers plant a large acreage of this variety. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

OTHER GOOD SORTS

Price; Any of the following, Pkt 5c, oz 10c.

BROWN DUTCH. The standard early brown sort. **¼ lb 30c, lb 90c;**

BUTTERCUP. The lightest green and most yellow of all sorts. Excellent quality. **¼ lb 30c, lb 90c.**

FORCING MILLY. A very early variety. **¼ lb 25c, lb 85c.**

GIANT CRYSTAL HEAD. White and solid, extra quality. **¼ lb 30c, lb $1.00.**

GIANT GLACIER. The largest of head lettuces. **¼ lb 30c, lb $1.00.**

MAMMOTH BLACK SEEDED BUTTER. Large hard heads. A favorite everywhere. **¼ lb 30c, lb 90c.**

NEW YORK. Very white leaves. Large. **¼ lb 30c. lb $1.00.**

SALAMANDER. In all seasons, good, standard lettuce. **¼ lb 30c, lb 90c.**

TENNIS BALL. Black seeded. One of the best standard, all purpose varieties. **¼ lb 30c. lb 90c.**

TENNIS BALL. (Boston Market). White Seeded. A good forcing sort. **¼lb 50c; lb 90c.**

WHITE SUMMER CABBAGE. A very hardy all round green leading variety. **¼ lb 30c, lb 90c.**

Improved HANSON

This standard variety is the most planted of all head lettuce. It is a well known and well tried sort and its merits have been proven on all markets. One of its popular characteristics is the wonderful heat and drought resisting quality, when used for outdoor summer planting.

It forms very large firm heads, with broad leaves, beautifully curled and crinkled and exceedingly tender and sweet. The outside leaves are shining green and the inside ones almost white, formed into a compact, hard globe shaped head. For all sections the Improved Hanson is fine for market and in the home garden. In the Central States where there is a great deal of hot summer sun it is the best. A sure header and reliable it will always be a favorite.

Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

PERPIGNAN, or Defiance

Is unequaled for long standing. One of the finest new varieties of Head Lettuce, which stands the summer heat better than most others. It forms very large, solid heads, so firm that they have to be cut open to allow the flower shoots to come through. **Pkt 5c, oz 10c, ¼ lb 30c. lb 90c.**

DEACON

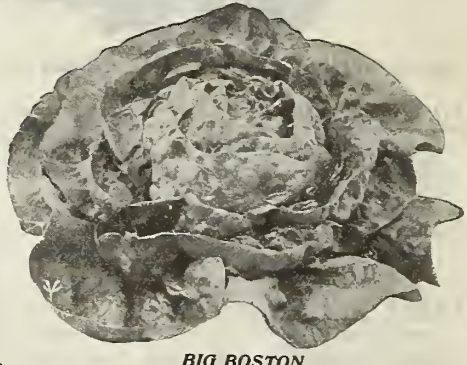
Is a large solid, most satisfactory variety, in the family garden or for market. Growing to large size, it is later than most of the other varieties, but is the most sure-heading of any large buttery variety. The interior of the head blanches to a beautiful golden yellow, and is of a rich buttery flavor. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

MAXIMUM, or Immensity

A wonderful heat resisting new Lettuce, remaining a long time, even in the hottest weather, without going to seed. It is green outside and yellow in the center. It is one of the largest and most solid of Head Lettuces and its quality is of the best. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.**

ICEBERG

An extremely hard heading variety. Leaves have small indents. Good for home and market. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**



BIG BOSTON

BIG BOSTON, Vaughan's Selected Stock

The best large heading early variety. The most popular variety for the Southern gardener who ships North. Also very valuable as first early in the North. Plants are large, vigorous; leaves are bright light green, very tender. Our strain is unsurpassed. Many gardeners in the South will plant only Vaughan's Big Boston. **Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 35c, lb $1.25.**

UNRIVALED

A light green strain of Big Boston. **Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb $1.25.**

MUSKMELONS

VAUGHAN'S ORIGINAL OSAGE

When all has been said about muskmelons, the fact remains that the Osage Melon is today the best general purpose, high quality variety in existence. It is especially good on heavy soils and where other sorts, like Rocky Ford, produce inferior, poor quality specimens. Under the same conditions the Osage will average 100 per cent better crop and quality. In sandy locations Osage is equally good.

This variety was first sent out by Vaughan's Seed Store, and we have taken particular care to keep up its quality, our select seed costing us many times the ordinary seed growing price. The fact that Vaughan's Original Osage is the best in the market is evidenced by the many stock seed orders we receive from seed growers of this variety and the scores of gardeners who re-order the strain each year.

The Osage is a melon with salmon flesh of a peculiar cheeselike texture. The melon holds its good flavor in nearly all its fruits much better than most kinds. That is, a well grown Osage Melon is seldom poor in quality while many Gems, Rocky Fords and other types are found flat and insipid when cut, although the melons themselves appear to be all right. In size the fruits are large, usually three times the size of the ordinary Netted Gem (Rocky Ford). Our type has a rather dark skin and moderately netted, as shown in illustration. The flesh is thick and of superb flavor.

Price: Selected Stock Seed, Pkt 10c, ½ oz 15c, oz 25c, 2 ozs 45c, ¼ lb 75c, lb $2.60.

Regular Stock Seed, Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb $1.35.

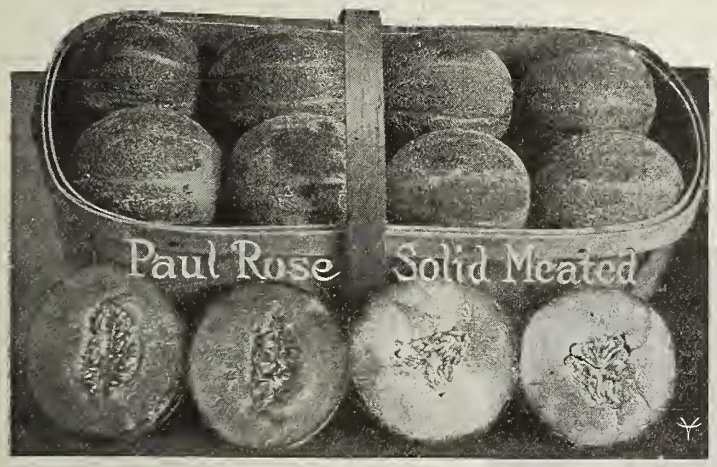
VAUGHAN'S ORIGINAL OSAGE

VAUGHAN'S PAUL ROSE OR PETOSKEY

The Paul Rose Muskmelon produces the highest percentage of high quality table melons of the basket varieties. This variety is a cross between the Osage and Netted Gem, combining the flesh color and peculiar quality of the Osage with the smaller size and better netted skin of the Gem. The flavor is distinctly its own. In season the Paul Rose ripens ten days earlier than the Osage. The netting and shape, in which features it resembles the Rocky Ford, make it a perfect basket melon, and it does not break down in shipping. We are the introducers of this melon and it is another of the Vaughan Specialties.

Price: Selected Stock Seed, Pkt 10c, oz 25c, 2 ozs 40c, ¼ lb 75c, lb $2.60.

Regular Stock, Pkt. 5c, oz 10c, 2 ozs 15c, ¼ lb 30c, lb $1.00.



SPECIAL SHIPPING OSAGE This is a selection of the Osage made for the purpose of increasing the netting more than the original type, thus bettering the shipping qualities. Our grower has been successful and this melon will stand a shipment of several hundred miles without breaking down. The quality is almost identical with Osage, although it runs a trifle smaller in size.

Michigan Seed: Pkt 10c, oz 20c, ¼ lb 45c, lb $1.60.

TIP TOP **Selected Stock.** A Melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed Melon of the very best quality; every Melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, eatable to the very rind. A strong grower, heavy yielder and of handsome appearance.

Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25.

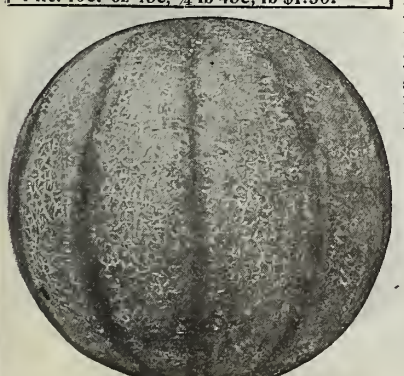
VAUGHAN'S HOODOO MELON (Introducer's Strain.) "As like as Peas in a pod." Read full description in novelty pages in the front of this book. The finest of the Gem type of salmon fleshed melons and just right in size to ship, and to serve, cut in two. The sweetness and flavor are the highest, nearly every fruit being of uniform fine quality, productive and early.

Select Stock: Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 70c, lb $2.50.

Regular Stock: Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 30c, lb $1.00.

MONTREAL MARKET or NUTMEG (Green Fleshed.)

The largest of the nutmeg varieties. This Melon is extensively raised near Montreal; being sown and grown on in cold frames until ready to set out. Skin is dark green in color; the ribs broad and prominent; flesh thick, luscious and melting. **Pkt. 10c, oz 15c, ¼ lb 45c, lb $1.50.**



MILWAUKEE MARKET

VAUGHAN'S IMPROVED MILWAUKEE MARKET

This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and we think for a fine home melon and a market-wagon variety it has no superior. The melon is light green in color, nearly round with only slight sutures, flesh a salmon color, wonderfully sweet, with almost no stringiness. In Milwaukee this melon has always commanded prices much higher than the Rocky Ford. As a home garden melon we consider this variety ideal. **Pkt 10c, oz 25c, ¼ lb 75c, lb $2.50.**

FORCING MELONS

Highest Table Quality; Suited for Greenhouse Growing.

Emerald Gem Forcing. Salmon flesh, early, uniform. **Pkt. 25c.**

A1. Superb. Scarlet flesh. Crop failed.

Best of All. Green flesh.

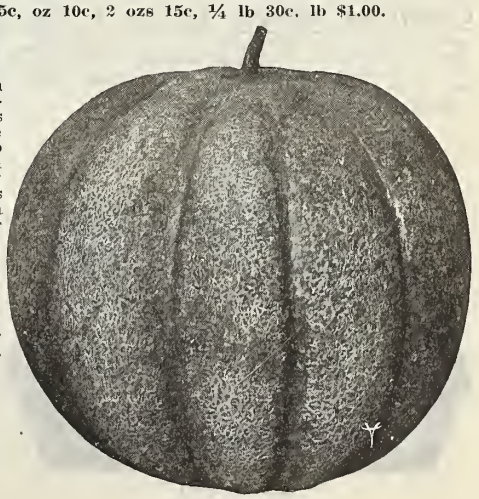
Blenheim Orange. Scarlet flesh.

Diamond Jubilee. Green flesh.

Invincible Scarlet. Scarlet flesh.

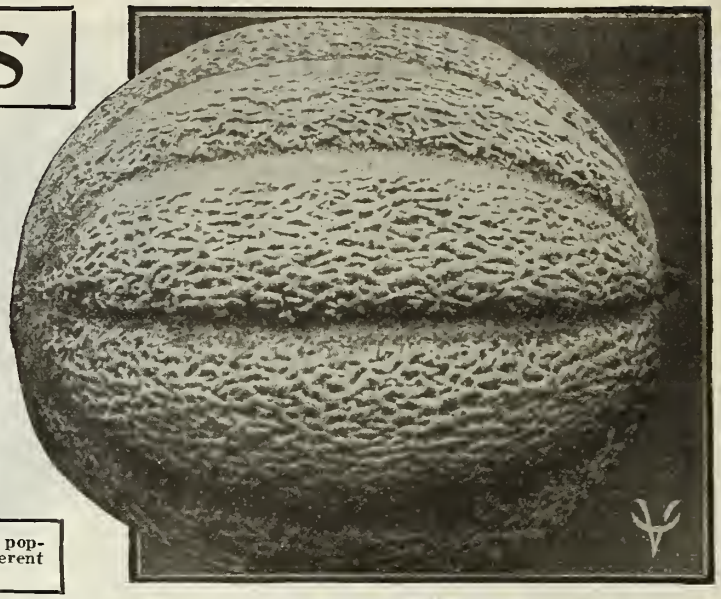
Royal Sovereign. White flesh.

Prices of above, except where noted, each, pkt 25c.



TIP TOP MUSKMELON

MUSKMELONS



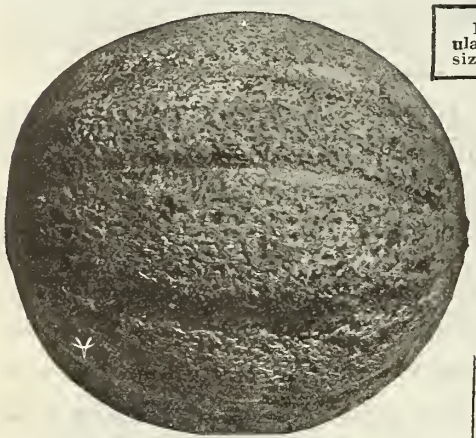
NETTED GEM—ROCKY FORD

NETTED GEM, ROCKY FORD—Selected Stock

The select Rocky Ford Seed which we offer is grown in the Rocky Ford, Colorado, district by a grower who raises seed only and who we know does not ship his marketable melons, saving the culls for seed, as do many of the so-called seed growers in that region. We offer two grades: Select, which is saved from specimen, marketable melons only, and the Regular, saved from a field raised for seed purposes only, where only the off-type vines have been discarded. This melon is too well known to need much description. The ideal type has a small seed cavity, thick, luscious flesh, high flavor, and can be eaten almost to the rind. Flesh is green in color except a tinge of yellow at the center. Netting should be heavy.

VAUGHAN'S SELECTED STOCK. (From best melons.) **Pkt 10c, oz 20c, ¼ lb 50c, lb $1.75.**

REGULAR FIRST GRADE SEED. These seeds are saved from a field in which only seed Melons are grown. Very dependable. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**



THE OSAGE GEM MUSKMELON

VAUGHAN'S OSAGE GEM

The salmon-fleshed Osage Gem melon was first introduced by us. No other variety has been so much renamed as has this one. In the Rocky Ford district where this melon now is as much in favor as the green-fleshed variety, it is generally recognized by its right name. The regular seed trade all list it, however, under various new names and descriptions. The outside appearance is like the Rocky Ford Gem and it has salmon flesh of the highest quality in both sweetness and flavor.

Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.

Vaughan's Chicago Market This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort.

Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.

Champion Market The flesh is thick, light green in color and of very rich, sweet flavor. It is as early as the Netted Gem, which it resembles in shape and appearance, but is fully three times larger; very prolific and a good shipper.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

JENNY LIND

Below follows a list of popular Gem Melons of different sizes and shapes.

Oval Netted Gem This is the old style Gem which was in such favor before the appearance of the New Rocky Ford types. This melon often meets the Eastern conditions better than does the Rocky Ford grown seed. **Pkt 5c, oz 10c, ¼ lb 35c, lb 90c.**

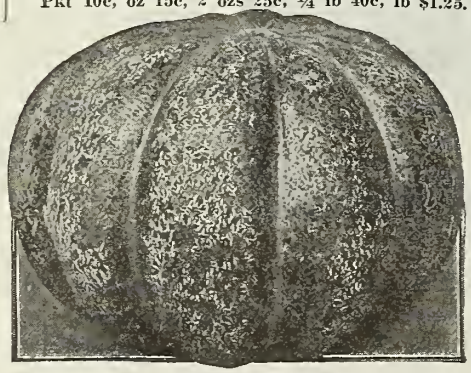
Benton Harbor Gem This is a selection of the Eastern Oval Netted Gem, made by a veteran grower in the Michigan melon district. Select Seed. **Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25, 5 lbs $5.00.**

Round Gem A round selection of the netted Gem. In some sections this type is still popular. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

EMERALD GEM

One of the very sweetest of melons. The skin is smooth and of deep emerald color. Flesh is very thick and of a delicate salmon color. The vines bear early and are very prolific. For a home-garden melon this is one of the very best on account of its superb quality. It is not a good shipper, on account of its thin rind. Our seed is of the very best, selected from finest and sweetest melons only.

Pkt 10c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb $1.25.



EMERALD GEM

Jenny Lind Vaughan's Selected Stock. This Melon is unexcelled in eating qualities. The rind is thicker on the ends than in the old variety, so that it does not "break down" easily in shipping, and yet it retains the flattened ends which by many is considered as giving good appearance and also permits compact placing in baskets or crates.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

OTHER GOOD SORTS

THE SYRACUSE. The largest superior quality melon. Specimens weigh 6 to 9 lbs. Skin grayish green, flesh light green.
Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

EARLY CITRON, LANDRETH'S. Very early half flat sort. Flesh green, of fair quality.
Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.

BANANA. Cucumber shape. Delicious odor. Rather late maturing.
Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.

EXTRA EARLY NUTMEG. Nutmeg shape. Very early; green flesh.
Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.

SWEET-AIR—New Cantaloupe

This is a large green fleshed gem melon, very uniform in size, which has, in the past few years, become the popular variety around Washington, Baltimore and Philadelphia. In that region Sweet-Air produces a melon of superior flavor and sweetness and commands the highest market price in preference to all other varieties.

The melons are oval in shape, five to six inches across, and seven to eight inches long. The netting is good and as a crate variety it will stand long distance shipments. The flesh is thick, dark green in color with a light pink near the center. The vines are vigorous and withstand blight much better than other Gem sorts, remaining green until the fruits are fully ripened.

Pkt 10c, oz 20c, ¼ lb 60c, lb $2.00.

MANGO MELON—Vegetable Peach

Of golden yellow color, resembling an orange in shape and size, the flesh is snow white. They make splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving they have no equal. Packet has cooking directions. **Large pkt 10c, 3 for 25c.**

Garden Lemon Fruits short, nearly round, with yellow and green markings, skin smooth, flesh exceedingly tender and of sweet melon flavor. Best when just turning yellow. Makes good preserves.

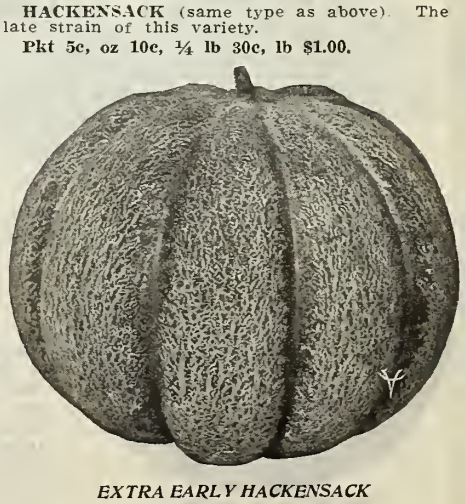
Pkt 10c, 2 for 15c, oz 25c.

Extra Early HACKENSACK This is a selection of the old Hackensack, which it resembles, but it is fully ten days earlier. The melons weigh from 4 to 10 lbs. and are of excellent flavor. Those who grow for market should remember that it is one of the best, as well as the earliest, hardiest and most prolific of Netted Musk Melons.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

HACKENSACK (same type as above). The late strain of this variety.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.



EXTRA EARLY HACKENSACK

WATERMELON

For the home market in the Northern States we have, for many seasons, supplied "Cole's Early," an excellent strain as herein described. The all important requisite, however, is lacking in this variety, namely shipping quality. Now we offer a long shaped melon, "Tom Watson," a splendid shipper, the best of the long varieties. In the warmer states, "Black Diamond," "Kolb's Gem," "Sweetheart," "Triumph" and "Alabama Sweets" are popular varieties. See descriptions.

COLE'S EARLY — The Best Early Watermelon

WINTER WATERMELON

As the name indicates, this melon is a winter variety. The firmness of the flesh causes it to be the longest keeper of the watermelon family. Put into a cool place it will keep long into the winter without losing its delicious sweetness or exquisite flavor. This melon is early (earlier than "Sweetheart") and is a very prolific bearer. The flesh is red and extremely firm, in fact, almost as hard as a citron—very brittle and deliciously sweet.

This melon is round shaped and the skin is a very light green, almost white. We offer this strain, feeling confident that it will give entire satisfaction, to growers who desire an excellent quality winter melon. **Pkt 10c, ½ oz 15c, oz 20c, 2 oz 35c, ¼ lb 50c, lb $1.50, postpaid.**

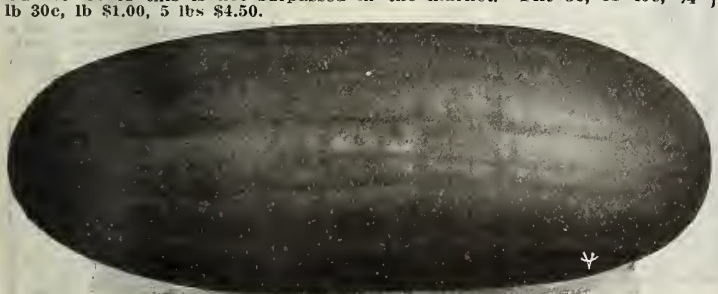
NEW CHILIAN

Although a new variety it has already attained considerable popularity and will undoubtedly rank high when it has received a more general distribution. This is a very desirable melon for the home garden and also as a shipper. It is a splendid variety for Southern climate. It is very attractive, of medium size, nearly round, the skin a deep rich green, faintly mottled and striped, the stripes being of lighter shades. The quality of this melon is not surpassed by any other; the flesh is fine grained, remarkably firm, very sweet and of excellent flavor. The flesh is a very bright red-vermillion. This is a good keeping variety; seed is white. **Pkt 10c, oz 15c, ¼ lb 50c.**

Alabama Sweet A great Southern favorite, where it grows to perfection, and is exceedingly popular, because, amongst its other fine qualities, it is an excellent shipper. The rind is a dark-green color, irregularly striped, oblong in form, flesh bright red, and of delicious flavor and sweetness. The seed is white, and our strain is especially fine. **Pkt 5c, oz 10c, lb 75c, 5 lbs $2.85.**

TOM WATSON

In the short period of four seasons this standard of melon excellence has become immensely popular. Typical fruits of this variety reach a size of twenty-four inches in length and twelve inches in diameter. The rind is dark-mottled-green, thin, but tough enough to endure shipping to very distant markets. Of the long shaped melons it is the best shipper. The flesh is deep red and comes very close—about ¾ of an inch—to the rind. The exquisite deliciousness of flavor possessed by the fine quality flesh of this melon places it in the very front rank of melon excellence. It is crisp and melting, and in all respects just what critical melon lovers would exact. On some markets the past season it sold readily while old style melons were absolutely neglected. For the home or market garden, or for shipping, it is a money maker for the growers. Our strain of this is not surpassed in the market. **Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00, 5 lbs $4.50.**



TOM WATSON—Best of Shippers, of Long Sorts

COLE'S EARLY—Early and Very Sweet

"Coles Early" Watermelon has made friends with an extensive number of growers in the Northern States, the section in which it is particularly at home. Of the early sorts, we know of no superior to this splendid variety; its single drawback is that it is not well equipped for distant shipping. For quality and productivity, however, it is superb, and it is early and very sweet. The vines are vigorous and productive; the yield comparing very favorably with the late varieties. The melons are of medium size; flesh a fine red color; eating quality excellent, crisp, melting and sweet. The rind being thin and brittle interferes with shipping to very distant markets; but for the home market or garden it is undoubtedly a splendid variety and well entitled to the popular appreciation which has been given to it. Our seed is northern grown and has been carefully selected each year. It gives us great pleasure to offer this finely selected seed at the following prices:

Pkt 5c, oz 10c, ¼ lb 25c, lb 75c; by express, 5 lbs $2.85, 10 lbs $5.25.

KLECKLEY SWEETS—"Sweetest of All"

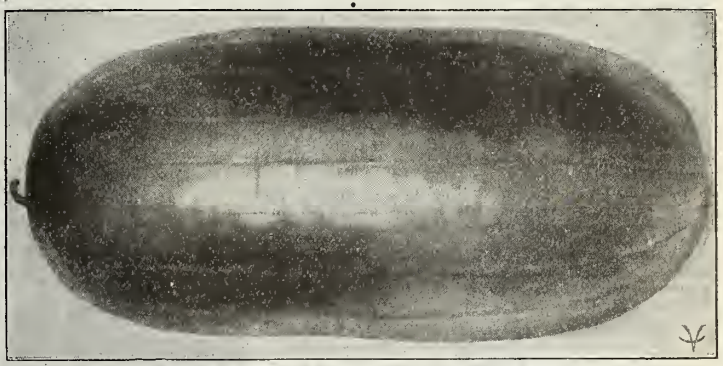
There is no melon superior in quality to a good strain of Kleckley Sweets. The bright scarlet flesh is the ideal of Watermelon quality, firm, crisp, entirely free from stringiness or cotton and "sweet as sugar." We think by growing our seed in the north we have increased the earliness of the variety over the usual Texas or Florida grown stock and "Kleckley" is now with us only a few days later than Cole's Early.

VAUGHAN'S SPECIAL

The melon is oblong in shape, about twenty inches in length by ten to twelve inches in diameter. The skin is a rich dark green; the rind is thin and brittle and for this reason the melon is a poor shipper. (Identical with Monte Cristo.) For the home garden and local market it should always be given a place.

Pkt 5c, oz 10c, ¼ lb 25c, lb 80c; by express, 5 lbs $3.25.

Black Diamond A cross between "Kolb's Gem" and "Hoosier King." Possesses in a higher degree the shipping qualities of Kolb's Gem, plus all the excellent other qualities of "Sweetheart." Its exceptional point of merit is its exceedingly large size; full grown specimens often weighing 70 to 90 pounds each. It is the most prolific and uniformly large watermelon ever planted. Its color is rich dark-green, symmetrical in shape, a round or blunt oval, and is uniform throughout the field. Vine extremely vigorous. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c; by express, 5 lbs $2.25.**



KLECKLEY SWEETS—"The Sweetest of all Melons"

STANDARD VARIETIES

We can supply any of the following at the uniform price (except where noted) of: **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c postpaid.**

Colorado Citron and Red Seeded Citron—Two melons used for preserving only. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**
Cuban Queen—One of the best late melons. Very large. **Pkt 5c, oz 10c ¼ lb 25c, lb 75c.**
Duke Jones—A round large shipping melon of fair quality.
Florida Favorite—A medium sized long striped variety.
Grey Monarch—Oblong; color of skin very light green.
Iceberg—Similar to Kolb's Gem; darker.
Ice Cream or Peerless—Early fine quality home melon.
Icing, Dark—A very solid dark colored shipping sort.
Icing, Long White—An early long slender; quality, variety.
June Jumbo—An old favorite; large sort.
Kolb's Gem, Improved—A standard market shipping melon.
Mountain Sweet—Sweet, oblong shape; thin rind.
Phinney's Improved—An early medium sized oblong melon.
Rattlesnake or Gypsy Striped—An oblong melon, striped and mottled; very sweet; popular South.
The Dixie—Old standard second early, good shipping variety.
Triumph—A very dark large shipping melon.

COMMERCIAL MUSHROOM GROWING

The ever increasing demand for this delicacy for hotels, restaurants and home table has resulted in the establishment of many commercial Mushroom growers. High prices and unsupplied markets offer a very profitable field. The prospective grower should realize, however, that success in growing mushrooms for market is attained only with a minute and technical knowledge of many details and should not be entered into on a large scale without a thorough understanding of these points and some practical experience. There is no secret process of growing. The details in growing Mushrooms, however, are very important, more so, perhaps, than for any other vegetable crop, and while even a beginner can obtain good results, to compete with old and experienced growers on the market, the maximum returns with the least possible cost is essential to financial success.

We invite inquiries from those who consider going into this line.

AMERICAN MADE
PURE CULTURE MUSHROOM SPAWN

This Spawn is made in America from selected Mushrooms grown under cultivation. Such Spawn is fresher than the English, which must be thoroughly dried before its long shipment; the growth of American Spawn is therefore quicker and stronger than the imported. We receive monthly shipments from our manufacturer, The American Spawn Co. (Lambert), so that our Spawn is always fresh and strong.

We carry the pure white, brown, and cream brown varieties; known also under manufacturer's number and as Alaska, Columbian, Holland, and Bohemia.

Price—Direct Bricks, inoculated direct from Pure Cultures. Brick 40c, 5 bricks $1.75 postpaid, by express 10 bricks $2.00, 25 bricks $4.25, 100 bricks $15.00.

Standard Bricks, inoculated from Direct Bricks. Brick 35c, 5 bricks $1.40 postpaid, by express 10 bricks $1.85, 25 bricks $3.75, 100 bricks $12.00.

ENGLISH MUSHROOM SPAWN

This is the best English make. Our manufacturer is the oldest Mushroom grower in England and the largest in the world. It is far superior to the old English Milltrack Spawn, being made from carefully grown selected specimens. This spawn is made especially for us, who handle more of this article than any one else in the United States, and we receive fresh importations eight to ten times each year. Commercially it is more planted than any other spawn. It comes in pressed bricks weighing almost 20 ounces. They are broken into pieces the size of a walnut and put sidewise in the beds eight inches apart each way. **Prices, per brick 25c, 5 for $1.00, postpaid. By express or freight, per brick 15c, two for 25c, 8 bricks $1.00, 25 lbs $2.00, 100 lbs $6.50; if shipped from New York $6.00.** Special prices on ½ ton lots and upward.

French Mushroom Spawn planted for growing Button Mushrooms. **Price, per 2 lb box, 75c; if sent by mail $1.20.**

MUSHROOM CULTURE. How to prepare the beds and raise the Mushrooms. Robinson, best English book, cloth bound, **50c,** postpaid.

MUSHROOMS. By W. Falconer. The best American book. Postpaid, **$1.00.**

OKRA—White Velvet

AMATEUR GROWING OF MUSHROOMS

Many amateur gardeners are now raising Mushrooms successfully. Excellent results are not hard to obtain where a bed may be made in the basement or cellar, barn, woodshed, or outbuildings (water tight), and an even temperature of 55 to 65 degrees Fahrenheit maintained during the colder months.

With an order for Spawn we give, when asked, a free book "How to Grow Mushrooms." People who follow carefully the simple instructions given in this book should have no difficulty in raising a crop. When success does not result the first time, a second trial almost without exception gives a good yield.

We supply many of the largest commercial growers in the United States and we have on hand at all times in the season fresh spawn of the best manufacture.

MARTYNIA—For PICKLES

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and bear abundantly. They should be gathered when less than half grown. For culture see Vaughan's Vegetable Garden. **Pkt 10c, ½ oz 20c, oz 35c.**

MUSTARD

The leaves make a salad or may be boiled like Spinach.

Chinese or Giant Southern Curled

The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves are eaten boiled, like Spinach. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**

Improved Ostrich Plume.

The handsomest of the mustards. Rich dark green leaves of excellent quality. Vigorous habit and withstands summer heat. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**

White Best for general use. **Oz 5c, ¼ lb 15c, lb 40c.**

Brown Stronger than above. **Price, same as white.**

OKRA—Or GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package.

White Velvet Produces pods larger than any other. They are never prickly to the touch, always round and smooth, while in other varieties they are either ridged or square-holed. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

Dwarf Grows low but stocky and is very productive. **Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.**

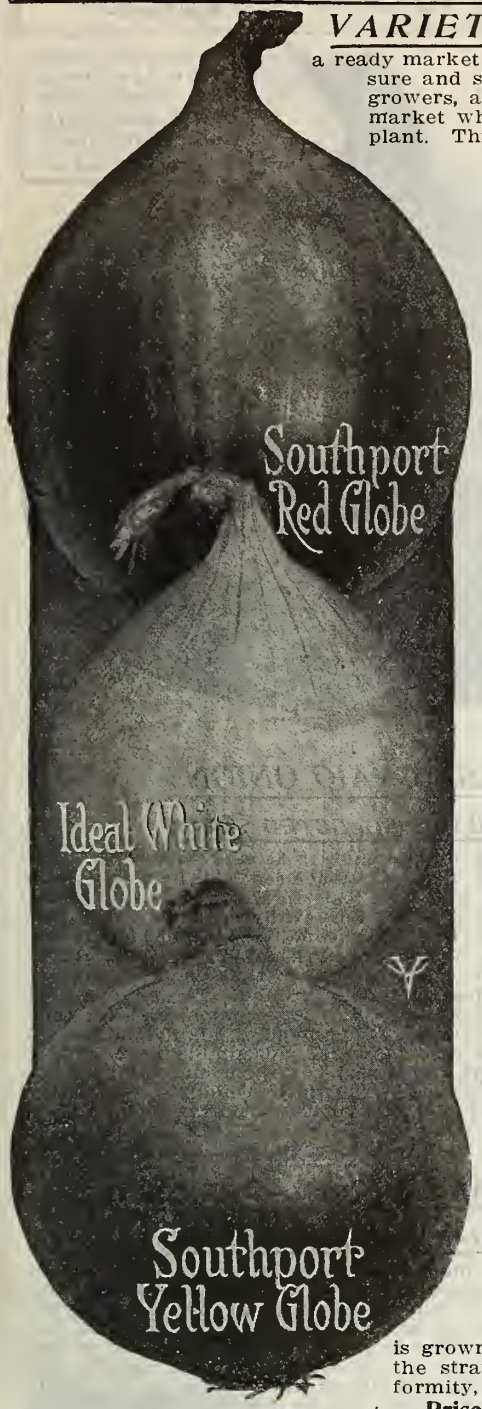
Tall or Perkins' Mammoth The long pods measuring 4 and 5 inches are produced in great quantities. The appearance is handsome, of green color and best quality. **Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.**

The popularity of Pure Culture Spawn is increasing rapidly and many of the large commercial growers are now using this where they formerly planted the English. They claim it is a surer crop. Amateurs have much the best results with this kind. A Pure Culture, 3-page booklet, free with order of over two dollars.

"MUSHROOMS. How to Grow," published by Vaughan's Seed Store. A 12-page booklet, 10c postpaid. Free with a mushroom order if requested.

VAUGHAN'S PEDIGREE ONION SEED

Globe Varieties



VARIETIES

No vegetable ranks higher in general favor than onions. Used in many different ways in the preparation of healthful, toothsome culinary dishes, a ready market is always awaiting the arrival of the season's new crop of Onions. With a large, sure and steady demand for this staple vegetable it makes a strong appeal for the attention of growers, as a safe crop for profit making. Prospective Onion growers should first consult the market where they expect to sell their crop before deciding upon the variety or varieties to plant. This is vital to their success, as the demands of communities differ in different localities, some varieties selling well in one place while in another other kinds are in greater demand.

As a general proposition we say Globe Shaped Onions are the most popular because of their fine appearance as well as quality. Growers like them for they grow larger and yield better than flat onions.

Flat onions, however, mature earlier, a great advantage in some sections where seasons are not long.

The larger onions like "Ailsa Craig" and "Prizetaker" take a long season to mature, and the best results are usually had by starting early in hot-bed or cold frames and transplanting to a rich soil.

GLOBE ONIONS Of the Globe Onions, Vaughan's Ideal White Globe for white; Apple-shaped Red, and Southport Red Globe, for red; and Ohio Yellow Globe, Fancy Globe Danvers and Southport Yellow Globe, for yellow, are ideal of their kind, and most critical planters can rely upon our seed.

THE SEASON To those contemplating putting in an onion crop, we suggest the advisability of placing orders for seed immediately, because large Onion seed is again scarce and the market exhausted. This means higher seed prices to those who hold back their orders until the planting season is upon them. We have regular customers who look to us for their annual supply of onion seed, and as we would not want to disappoint them we have kept a supply, although at this writing we have offers for every ounce we have. Orders should be sent to us early to secure a supply of the globe varieties.

SOUTHPORT YELLOW GLOBE

A main crop, late, large, round onion. It is sure to satisfy the one who buys a packet or the one who sows 50 lbs for carload shipment. Truly a grand onion whose large, golden yellow spheres make a beautiful appearance, sacked or barreled for the market. Finest of all yellow onions for keeping. Our eastern grown seed is from a grower of twenty-five years' experience who makes a specialty of this variety. There is no better. **Prices: Eastern Seed, Pkt 10c, oz 20c, ¼ lb 60c, lb $2.10, postpaid; by express, 5 lbs $9.75, 10 lbs $19.50.**

Prices: Western Seed, Pkt 10c, oz 15c, ¼ lb 50c, lb $1.85, postpaid; by express, 5 lbs $8.50, 10 lbs $16.50.

SOUTHPORT WHITE GLOBE

"Ideal White Globe" is indeed a most beautiful type of this variety of onions. **Our Genuine Eastern Grown Stock** is of the true globe form; pure white, small necked, hard, ripening very early and evenly, a good keeper. We supply the largest market gardeners in Chicago and the West. No market gardener or onion grower can afford to plant inferior seed with merely low cost to recommend it. Low **first cost** usually means dear **last cost.** Our seed is first class and gives only first-class results. This seed will make your acres and your labor profitable. **Prices: Eastern Seed, pkt 10c, ½ oz 15c, oz 25c, 2 ozs 45c, ¼ lb 80c, lb $2.85, postpaid.**

Prices: Western Seed, pkt 10c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.45, postpaid. By express, 5 lbs $11.50, 10 lbs $22.50.

Don't Forget Seed Is Scarce

OHIO YELLOW GLOBE

Fine shaped, fine colored, large cropper, yellow Onion. This is an extra fine selection of best colored and heaviest yielding bulbs. Compared with the old type "Yellow Globe Danvers" it is earlier, has smaller neck, is of perfect globe shape, uniform in size and color; is entirely distinct. Its small neck and solid flesh make it a fine keeper. Crops yielding over 1,000 bushels to the acre have been raised from this seed. Among seed growers this particular strain of Yellow Globe is a tremendous favorite. Our seed is grown in Ohio by the most famous grower of the strain and is especially selected for its uniformity, which is remarkable.

Prices: Pkt 10c, oz 20c, ¼ lb 60c, lb $2.10, postpaid. By express, 5 lbs $9.75, 10 lbs $19.00.

APPLE SHAPED RED GLOBE

Whenever a dark red, small necked, round Onion is desired, Vaughan's Apple Shaped Red Globe is the most perfect type that can be found. It is ideal for enclosing the largest bulk in the most compact shape. Its color is rich dark blood red, such as can only be kept by continually growing it under the most favorable conditions in the eastern part of the United States; California or the far western grown Onion soon losing the deep rich red color so much desired. In size the Apple Shaped Red Globe is equal to anything in Red Globe Onions. We have each year re-selected bulbs for size, shape and color, and have grown both bulbs and seed on the richest land near Chicago that we could find. We have harvested excellent crops for the past two seasons and we now offer it in quantity and at prices which put it in reach of all. Our seed of this variety is grown alone and away from any other variety, carefully saved, washed and remilled at growing points so that the chance for mixing in any way is very remote. **Pkt 10c, oz 20c, ¼ lb. 60c, lb $2.10. By express, 5 lbs $9.75, 10 lbs $19.00.**

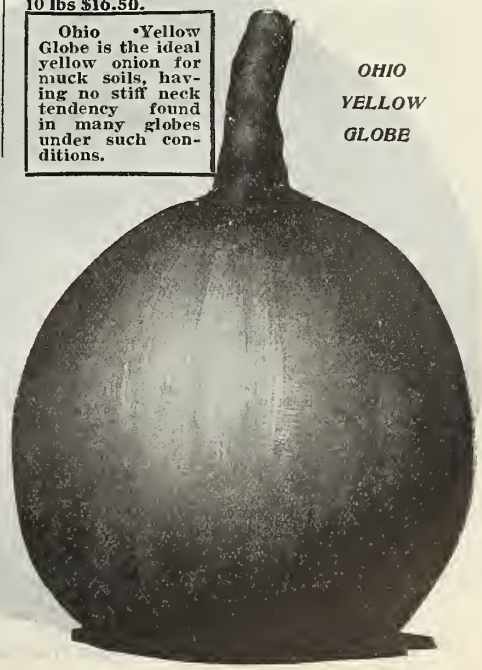
SOUTHPORT BLOOD-RED GLOBE

Our Blood Red Globe is a beautiful crimson color, and better seed of this variety cannot be found. The spheres are of immense size, very solid and firm, qualities which make it a splendid seller and good keeper. Yield, 800 to 1,000 bushels. Our seed grower is a specialist who grows under our direct supervision.

Prices: Eastern Seed, pkt. 10c, oz 20c, ¼ lb 60c, lb $2.10, postpaid. By express, 5 lbs $9.75, 10 lbs $19.00.

Prices; Western Seed, pkt 5c, oz 15c, ¼ lb 50c, lb $1.85, postpaid. By express, 5 lbs $8.50, 10 lbs $16.50.

Ohio Yellow Globe is the ideal yellow onion for muck soils, having no stiff neck tendency found in many globes under such conditions.



OHIO YELLOW GLOBE

OHIO RED GLOBE

A very fine uniform Red Globe Onion, similar in shape to the "Ohio Yellow Globe." Lake County, Ohio, seed grown by the originator.

Prices; Pkt, 10c, oz 20c, ¼ lb 60c, lb $2.10, postpaid. By express, 5 lbs $9.75, 10 lbs $19.50.

Australian Brown Globe

Quick to mature, a long keeper; solid and heavy; an excellent onion for shipping. The bulbs are perfectly globe shaped. The skin is light brown. Their solidity gives them great weight and a bushel weighs several pounds heavier than the American varieties. An average bulb three inches in diameter each way and weight about seven ounces. The onions are thin necked and ripen very evenly on all soils.

Prices: Pkt 5c, oz 15c, ¼ lb 40c, lb $1.35, postpaid; by express, 5 lbs $6.50, 10 lbs $11.50.

VAUGHAN'S PEDIGREE ONION SEED

"FANCY" YELLOW GLOBE DANVERS

On most markets in this country the Yellow Onion has by far the greatest sale, and for this purpose our fancy Yellow Globe Danvers Onion supplies the standard of quality. It is almost, though not quite, globe shaped and the bulbs are of good size with very thin necks. The color is a dark orange yellow; the flesh is pure white, solid and of excellent quality. Its keeping qualities are the very best; many of our market growing customers regularly keeping their Onions grown from this seed into May and June. This strain is so nearly globe shaped that it passes for a Globe and being several weeks earlier than the "Southport" Onion, usually enables the planter to realize the high early market prices. The crop is uniform and ripens early at one time. Our seed is carefully grown and will please the most critical.

Pkt 5c, oz 20c, 2 oz 30c, ¼ lb 50c, lb $1.75; by express 5 lbs $7.75, 10 lbs $15.00.

YELLOW GLOBE DANVERS

This is the ordinary strain of this variety. Season the same as the "Fancy Globe Danvers"; the onions do not run as globe shaped as that variety, but are otherwise the same in regard to color, ripening and keeping.

Pkt 5c, oz 15c, ¼ lb 40c, lb $1 50; by express, 5 lbs $6.75, 10 lbs $13.00.

LARGE SIZED AND FLAT ONIONS

MAMMOTH SILVER KING

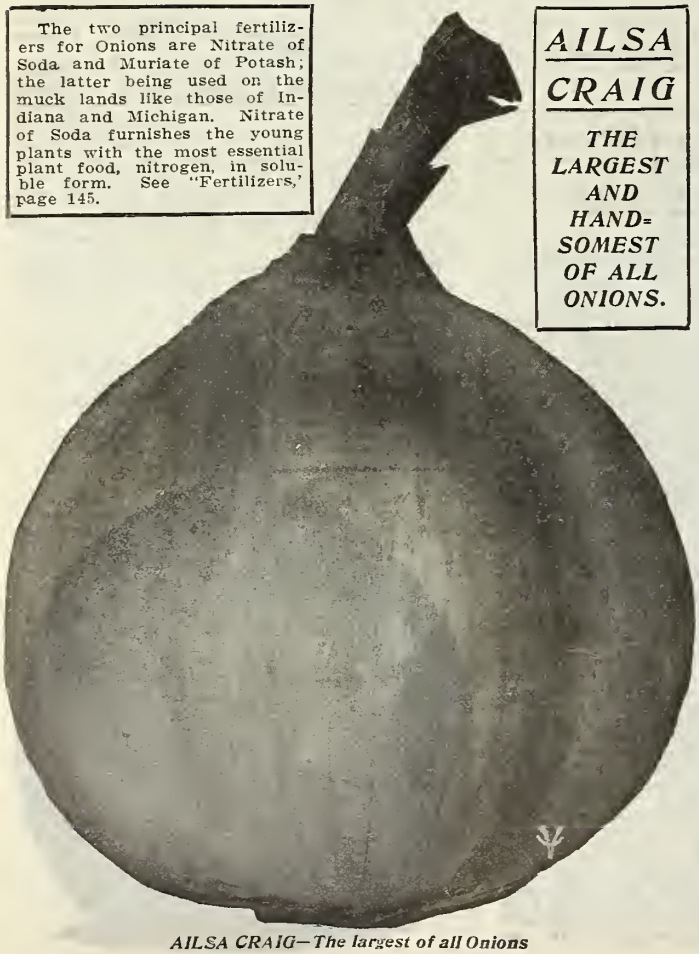
One of the largest varieties in cultivation, averaging 15 to 22 inches in circumference and often weighing 2½ to 4 lbs. each. It matures early and is of uniformly large size and good shape, being flat but thick. The skin is clear, silver white; flesh snowy and tender of mild sweet flavor. To attain its greatest size should be sown early and transplanted. Its striking size and handsome appearance, as well as mild flavor, recommend it for exhibition, fancy market or table.

Pkt 5c, oz 15c, ¼ lb 45c, lb $1.60.

The two principal fertilizers for Onions are Nitrate of Soda and Muriate of Potash; the latter being used on the muck lands like those of Indiana and Michigan. Nitrate of Soda furnishes the young plants with the most essential plant food, nitrogen, in soluble form. See "Fertilizers," page 145.

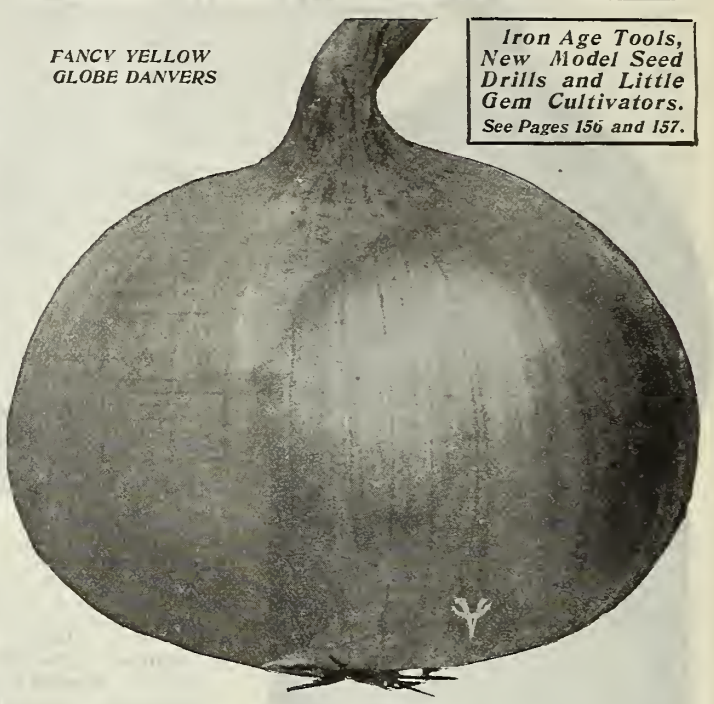
AILSA CRAIG

THE LARGEST AND HANDSOMEST OF ALL ONIONS.



AILSA CRAIG—The largest of all Onions

FANCY YELLOW GLOBE DANVERS



Iron Age Tools, New Model Seed Drills and Little Gem Cultivators.
See Pages 156 and 157.

AILSA CRAIG ONION

VAUGHAN'S SELECTED STOCK

One of the largest of Onions. It is very handsome, oval-shaped variety with pale straw-colored skin; twelve bulbs have been known to weigh 30 lbs. In England it is the most popular large Onion grown. For exhibition it is unexcelled, always giving under the same conditions much larger and more shapely bulbs than the "Prizetaker." To attain its largest size it should be sown early in the spring in the hot-bed and later transplanted to open ground. The onion is very productive, is a good keeper for a large onion, and for those who like an onion raw we recommend it highly on account of its pungency, but also mild and acceptable flavor. Market gardeners who grow this sort box them and compete successfully with the imported "Spanish Onion." We believe when this variety is better known it will outrank some of the most popular sorts. Our seed is grown from English prize-winning stock. **Pkt 20c, ½ oz 35c, oz 60c, ¼ lb $1.75.**

PRIZETAKER, American Grown

VAUGHAN'S SELECTED STOCK

A Yellow Globe Onion that claims attention for largeness as well as handsomeness. They attain immense size when raised under favorable conditions, 15 to 20 inches being often reached when conditions permit. To reach this size it is necessary to start them early in hot-beds and transplant so that they may have a long season to reach their mature size. Grown under ordinary conditions they grow to a slightly larger size than the ordinary "Globe Onion." This Onion is of the same type as the large Spanish Onions imported in quantity and sold in crates. Grown now for many years in this country our seed is thoroughly acclimated and if permitted to thoroughly ripen keeps quite well.

Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb $1.35; by express, 5 lbs $6.00, 10 lbs $11.50.

CRYSTAL WHITE WAX

This is a pure white flat onion. In the south, especially Texas, it has been so popular the last few seasons there was not enough seed to supply the demand. In our trials it has shown itself good for the north.

Teneriffe Seed, **Pkt 10c, ½ oz 30c, oz 50c.**

WHITE AND RED BERMUDA

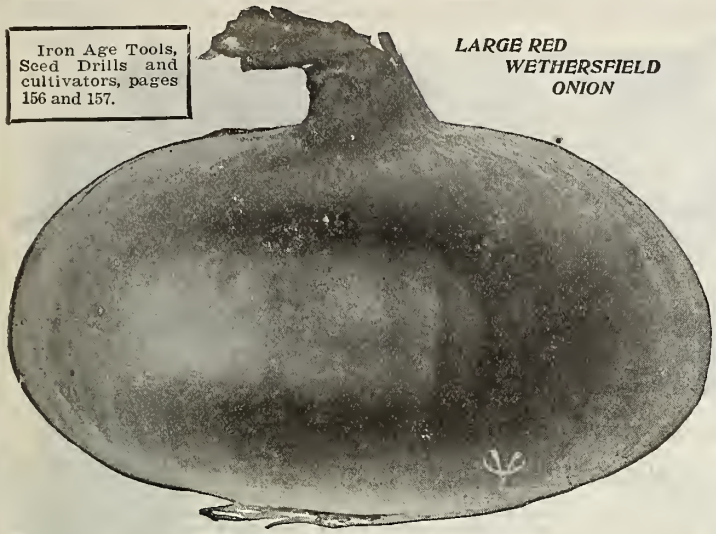
These are the large Onions grown in Bermuda and Texas, where a large number of carloads are produced annually, and shipped north for early spring use. In the southen part of the United States, as well as Bermuda, our imported Teneriffe seed gives the best results.

Price for either color, Teneriffe Seed, **Pkt 10c, ½ oz 20c, oz 35c.**

Vaughan's Pedigree Onion Seed

FLAT VARIETIES

Iron Age Tools, Seed Drills and cultivators, pages 156 and 157.



LARGE RED WETHERSFIELD ONION

LARGE RED WETHERSFIELD

This is the standard variety of the flat Red Onion. It is especially popular in the west and southwest, where immense crops are grown for market. Large in size; skin deep purplish red; form round, somewhat flattened; flesh purplish mixed with white, moderately fine grained and as mild as most other kinds. Very productive and a fine keeper. It is more inclined to form large necks than the Yellow Danvers on strong soils, but on poor or dry soils it gives better results than other sorts. Our seed is a carefully selected California grown strain and the equal of any on the market today.

Pkt 10c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.

VAUGHAN'S NEW OX BLOOD RED WETHERSFIELD

An especially selected strain for dark red color of Red Wethersfield. It is the darkest red Onion in existence, and where the market demands a dark red flat Onion it has no superior.

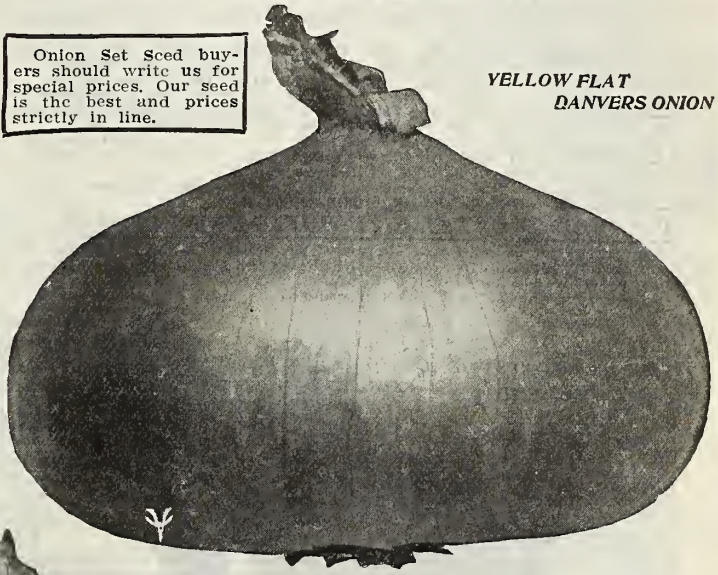
Pkt 10c, oz 20c, ¼ lb 50c, lb $2.00; by express, 5 lbs $7.75, 10 lbs $15.00.

EXTRA EARLY RED The first red Onion to ripen and at the same time one of the handsomest in apperance. Our strain of seed has been bred especially for earliness and uniformity in ripening by an experienced Eastern grower and will be found to ripen at least two weeks earlier than the other strains of this variety. Flat, good red color; medium in size. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25; by expresss, 5 lbs $5.25. 10 lbs $10.00.**

YELLOW FLAT DANVERS

Yellow Flat Danvers is an onion that calls for consideration because of its several splendid qualities which have made it a standard variety of very extensive use. It is of medium size, bulb flattened but quite thick through with thin neck; the skin is coppery yellow; the flesh is creamy white, mild and of excellent flavor. It is good for the home garden and market, as it combines reliability in ripening very evenly with large yield. For a general-crop Yellow onion—where the strictly globe shape is not demanded—this one is in every respect first-class. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.**

Onion Set Seed buyers should write us for special prices. Our seed is the best and prices strictly in line.



YELLOW FLAT DANVERS ONION

BROWN AUSTRALIAN It is an extra early and long keeping variety, yielding large crops. In warm climates where ordinary varieties of large Onions do not keep, this is a favorite. The bulbs are of medium size with skin of amber brown varying in shade; the flesh is solid, white and crisp and of mild, sweet, fine flavor. The seed we offer is up to our known standard of fine quality. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.**

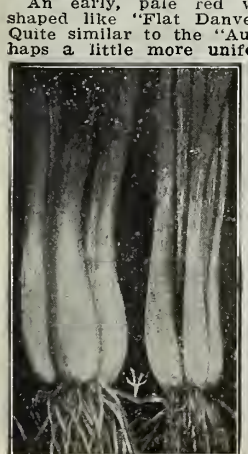
Strassburg or Large Yellow Dutch Larger and flatter than Yellow Danvers, and of darker color skin. The flesh is white, mild and of fine grain and well flavored. This is a splendid yellow onion for sets. Our seed is very carefully grown and can be relied upon to give equal satisfaction with the best to be found on the market. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75. 10 lbs $9.00.**

EARLY YELLOW CRACKER The earliest of the flat yellow varieties; desirable to raise where seasons are short, or for early market. Keeping quality good; excellent flavor; desirable for sets. **Pkt 5c, oz 15c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.**

THE BOLTON—The Onion for Sets

An early, pale red variety, medium size, shaped like "Flat Danvers" with small tops. Quite similar to the "Australian Brown," perhaps a little more uniform in color of skin with a tinge more red—one of the best kinds for sale.

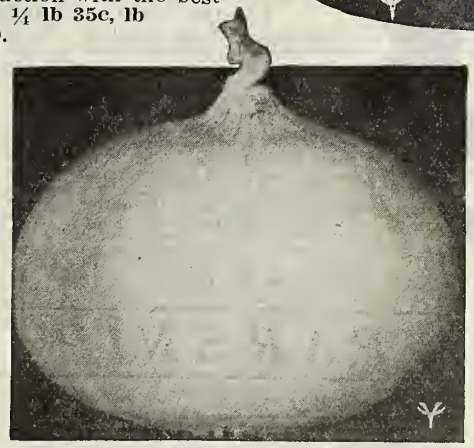
Pkt 5c, oz 12c, ¼ lb 35c, lb $1.10; by express, 5 lbs $4.75, 10 lbs $9.00.



EARLY WHITE WELSH ONION

This kind does not form a bulb, but is one of the best kinds for "Green Onions." The plants are perennials. They can be propagated by seed or divisions. A great saving in cost over top sets.

Pkt 10c, oz 20c, 2 oz 35c, ¼ lb 75c, lb $2 50.



WHITE PORTUGAL

WHITE PORTUGAL or SILVERSKIN

The favorite white onion; has a beautiful clear white skin that glistens like silver; it is flat in shape and of medium size, fine mild flavor. Extensively used for growing white onion sets and pickles, but also for early bunching or green onions. In either of these capacities it gives a splendid account of itself. It is also used for market as a large white onion variety. It is a good keeper, the best of the white onion varieties, and of value for fall and early winter use as a large onion.

Pkt 10c, oz 20c, ¼ lb 50c, lb $1.50; by express 5 lbs $6.75, 10 lbs $13.00.

ITALIAN ONION SEED

VAUGHAN'S PICKLING One of the best White Onions for pickling. Ripens uniformly early, is small, round, hard, crisp and tender. A very handsome sort with an opaque white skin. Not a good keeper. An excellent variety for green onions, pickles or for immediate use when grown for large Onions. Flavor very sweet and mild. **Pkt 10c, oz 20c, 2 oz 35c, ¼ lb 55c, lb $1.85; by express, 5 lbs $8.50, 10 lbs, $16.50.**

WHITE QUEEN Remarkable for its earliness and very mild flavor, it is small and white skinned. The general favorite with pickle manufacturers. **Pkt 5c, oz 15c, 2 ozs 30c, ¼ lb 45c, lb $1.60; by express, 5 lbs $7.25, 10 lbs $14.00.**

WHITE BARLETTA Has a beautiful waxy-white color, much admired by housewives. **Pkt 5c, oz 15c, ¼ lb 45c, lb $1.60, postpaid; by express 5 lbs $7.25, 10 lbs $14.00.**

GIANT ROCCA A large globe shaped onion. The flesh is very sweet and mild. This variety ripens evenly and does well in both Southern and Northern climates. We offer two colors, brown and yellow. **Pkt 5c, oz 15c, ½ lb 45c, lb $1.60, postpaid.**

Each year every bag of Onion Seed sold by us is tested for vitality before leaving the store.

White Potato Onion Seed.
Pkt 10c, oz 30c, 2 oz 50c.
Yellow Multiplier Seed (Shallot).
Pkt 10c, ½ oz 20c, oz 30c, 2 oz 50c.

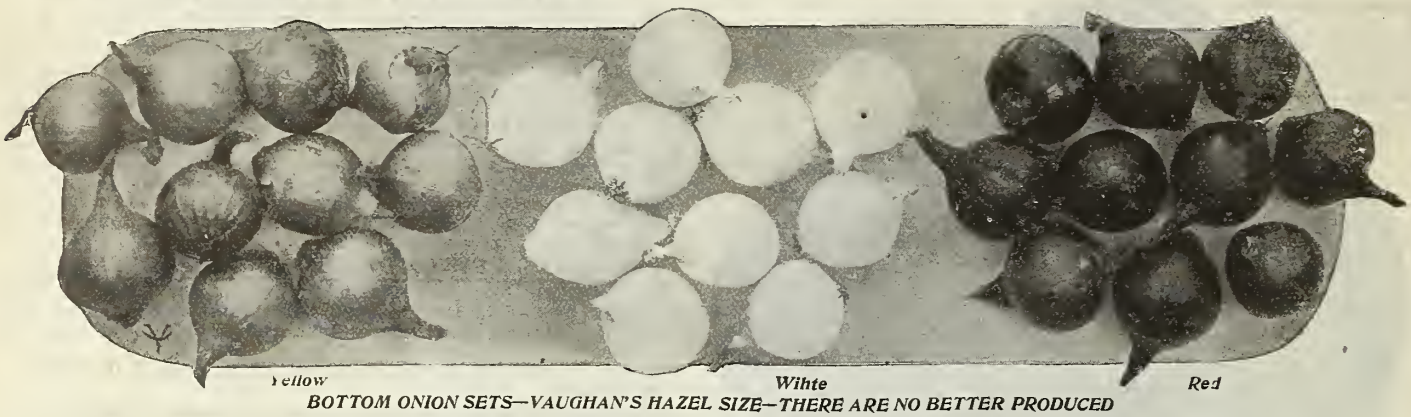
ONION SET PRICES

Are subject to market changes which vary from day to day. Latest values on quantity lots quoted on request.

ONION SETS

THE 1912 ONION SET CROP

Good size, and large crop in nearly all districts. Keeping quality is only fair and though early prices are low they should advance later.



Yellow White Red

BOTTOM ONION SETS—VAUGHAN'S HAZEL SIZE—THERE ARE NO BETTER PRODUCED

WHY ONION SETS ARE PLANTED

Bottom Onion Sets produce Onion bulbs much earlier than can be done by sowing the seed and allows the planter the early high market prices and permits the sowing of another crop on the land the same year. For green or bunch Onion sets produce a crop in half the time it takes to raise these from seed.

White Bottoms Our sets of these are very choice, small, dry and unsprouted. **Pt 15c (by mail 21c), qt 25c (by mail 37c); by freight or express, 2 qts 45c, ½ pk 65c, pk $1.00, bu (32 lbs) $2.75.**

Yellow Bottoms Fine dry sets, medium in size and unsprouted. **Pt 15c (by mail 21c), qt 25c (by mail 37c); by freight or express, 2 qts 40c, ½ pk 60c, pk 90c, bu (32 lbs) $2.50.**

Red Bottoms Bright, deep red in color, even and dry. **Pint 15c (by mail 21c), qt 25c (by mail 37c); by freight or express 2 qt 40c, ½ peck 60c, peck 90c, bu (32 lbs) $2,50.**

Special Offer **1 pint each above three colors, 40c (by mail 55c), qt each 70c (by mail $1.00).**

VAUGHAN'S HAZEL SIZE BOTTOM ONION SETS

These extra selected sets measure about ⅝ inch in diameter and are as uniform as it is possible to grade them. Price for White, Red or Yellow, 20c per pint, or 30c per quart. Larger quantities at the quart price. Add 6c per pint and 12c per quart if ordered by mail.

White Multipliers Especially valuable for the First Early Spring Bunch Onion. They are of a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions from other sets. There are usually several stalks from a single bulb and in this way they are very productive. Their most important quality is extreme earliness, being ready for eating ahead of any other kind. **Pint 10c (by mail 16c), qt 20c (by mail 42c), ½ pk 65c, pk $1.10, bu (mail 32c), by freight or express ½ pk 65c, pk $1.00, bu (32 lbs), $3.50.**

Shallots or Yellow Multipliers **Pint 20c (by mail 26c), qt 30c (by mail 42c), by freight or express ½**

Red Spring Top Sets These are planted to produce both early "Green Onions" and large eating onions. onions. **Pt 20c (by mail 26c), qt 30c (by mail 42c), by freight or express ½ pk 65c, pk $1.10, bu (32 lbs) $4.00.**

Egyptian or Red Perennial This variety never forms a large bulb; its value lies wholly in its special adaptability to produce Green Onions for Spring or Fall use which are perfectly hardy and stay in the ground all the time. **Pt 12c (by mail 18c), qt 20c (by mail 32c), by freight or express pk 60c, bu $2.00.**

Yellow Potato They produce large, dry ripe Onions, earlier than any other kind. **Pint 20c (by mail 26c), qt 30c (by mail 42c), by freight or express ½ pk 65c, pk $1.10, bu (32 lbs), $4.00.**

THE HANDSOMEST OF ALL VARIETIES

VAUGHAN'S XXX PARSLEY

PARSLEY

The Crop is Very Short

Vaughan's New XXX It is by far the handsomest of all varieties of Parsley. Its delicate curled leaves and rich dark green color make it the ideal variety for garnishing dishes. In habit the plant is very dwarf—considerably more so than the Moss Curled variety, a point which makes it particularly desirable for greenhouse or pot indoor planting; also as a neat border in the vegetable garden.

Pkt 10c, 2 pkts 15c, oz 20c, ¼ lb 65c, lb $2.00.

Champion Moss Curled This is a fine prize winning English variety, entirely distinct. It is a very quick, robust sort, making remarkably handsome, compact plants, which have leaves so crumpled and curled as to give them the appearance of tufts of finely curled moss. The color is rich green, making it the very best parsley for garnishing. Its flavor is exceedingly pleasant and aromatic, so that for flavoring sauces, dressings, etc., it is unsurpassed. Very slow to run to seed and quite hardy. May be grown in pots or window boxes. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25.**

Double Curled A very fine dwarf, handsome green, curled variety. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.25.**

Fern-Leaved Leaves so nicely and delicately cut as to resemble the frond of a fern. Good green color and nice flavor. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.**

Plain The leaves are not curled, however, the flavor is excellent and plant is very hardy. **Pkt 5c, oz 15c, ¼ lb 40c, lb. 1.25**

Hamburg Rooted or German Parsley

The root resembles a small parsnip and is the edible part of this sort; extensively used for flavoring soups. **Pkt 5c, oz 15c, ¼ lb 40c, lb $1.40.**

PARSNIP

Very Short Crop

Vaughan's Marrowfat A very fine new parsnip. It grows to a good size, is of perfect form and the skin is very smooth. When cooked the flavor is far superior to other varieties. Its handsome appearance makes it much in demand for show purposes. **Pkt 5c, oz 15c, ¼ lb 30c, lb 90c.**

Magnum Bonum A very fine and greatly improved strain of Hollow Crown Parsnip which we can recommend to all marketmen as a moneymaker. The roots are smooth, not so long as those of the standard sort, somewhat thicker in diameter and much more easily pulled. A very heavy cropper. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

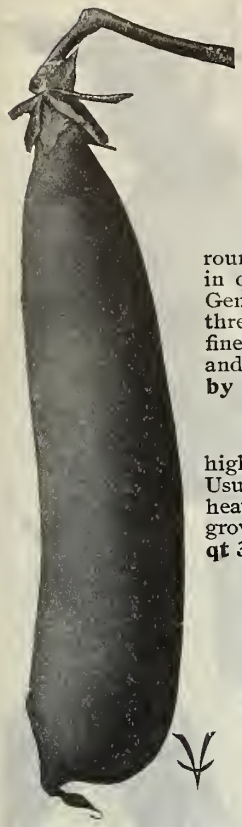
Hollow Crown, Long Smooth (A b bott's Improved) Smooth, large, tender and sugary; one of the best. Our stock is very fine. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

Improved Guernsey An improved strain, which has given general satisfaction. The roots do not grow so long as those of the Hollow Crown, but are of greater diameter and more easily gathered. Of excellent quality. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

Vaughan's New Intermediate This new sort does not require the depth of soil for its cultivation that is necessary for the older varieties. Although equal in quality and flavor to the old sorts the roots of this variety are only one-half to two-thirds as long when grown under ordinary conditions. On heavy or clay soils Intermediate is especially valuable. During the past few years of drought, the Intermediate, of all varieties, yielded the heaviest, made the best looking roots, and was the easiest to harvest. **Pkt. 5c, oz 15c, ¼ lb 30c, lb $1.00.**

PEAS—CROP CONDITIONS

For a series of years there has been a serious shortage in Seed Peas. We are happy to be able to reduce our prices materially the present season. Last year the better Garden Peas were almost out of the market. The present season, due to opening of new pea-growing districts in the far west, shows a fair supply and prices only a little above normal. If there are any better stocks than ours, we cannot find them



SUTTON'S EXCELSIOR

DWARF PEAS—EARLY NO BUSHING REQUIRED

NOTT'S EXCELSIOR

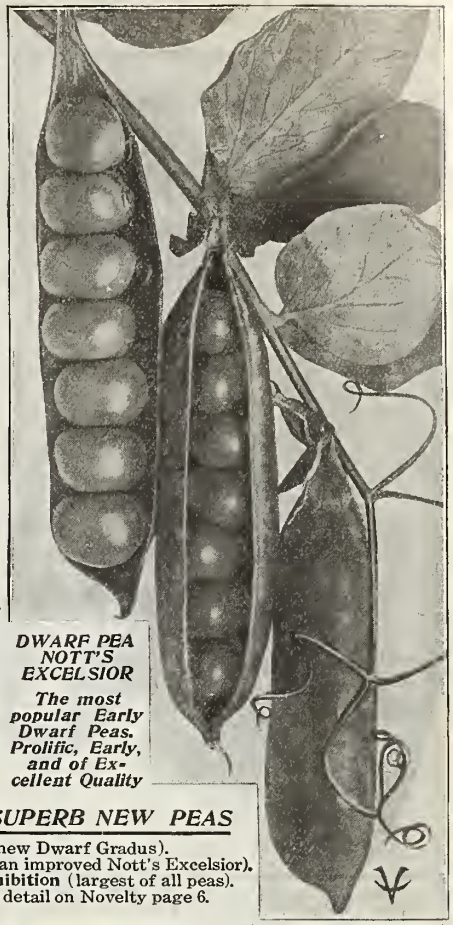
Of all Dwarf Peas this is the most popular. Almost as early as the round seed varieties—only two or three days later, and far surpasses them in quality. A splendid yielder, better than American Wonder and Little Gem in this respect. Vines grow 15 inches high and bear blunt pods about three inches long, containing five to seven Peas of good size, tender and of finest quality. Very prolific, easily raised, planted extensively for market, and most desirable for home use. **Pkt 10c, pt 20c (by mail 28c), qt 35c by mail 50c, ¼ pk $1.10, pk $2.00.**

AMERICAN WONDER

Extra Early Dwarf Wrinkled Pea, standard high quality, 10 to 12 inches high, dwarfer than Knott's Excelsior; very prolific, firm, well filled pods. Usually matures a day or two in advance of Nott's with yield almost as heavy. A home garden variety of the highest class; requires no support in growth. For succession plant each week. **Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), ½ pk $1.10, pk $2.00.**

SUTTON'S EXCELSIOR

In a new class of first Early Dwarf Wrinkled Peas, and best of the class. Pods are square at the ends, larger and broader than the usnal dwarf Peas, and light green color. Vines grow 18 inches high, and are very hardy, permitting early planting; very heavy yielders. The hardiness, size of pods and excelling quality of this variety secures it preference with many to even the large pod tender grades. Season two days later than Nott's Excelsior. **Pkt 10c, pt 20c (by mail, 28c), qt 40c (by mail, 55c), ½ pk $1.40, pk $2.50.**



DWARF PEA NOTT'S EXCELSIOR

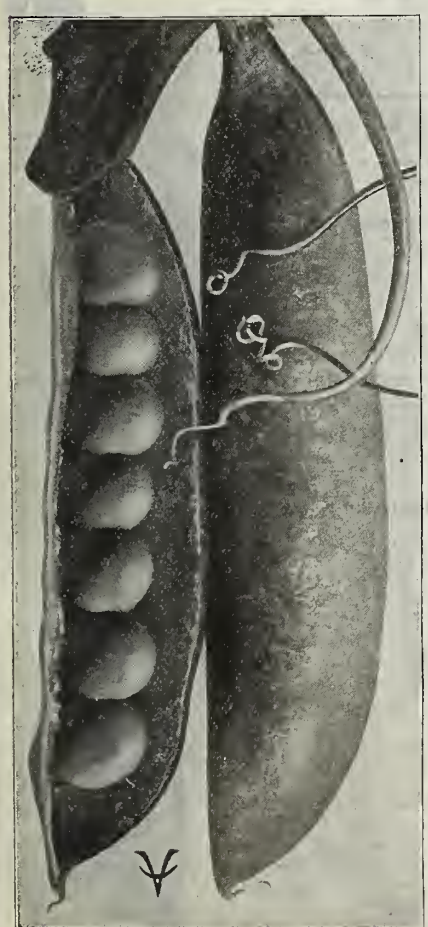
The most popular Early Dwarf Peas. Prolific, Early, and of Excellent Quality

PREMIUM GEM

This early dwarf wrinkled Pea grows 16 to 18 inches high: not so upright in habit as American Wonder, but requires no brushing; is a week later, but a better yielder. Pods are three inches long and very fine quality. Prolific. **Pkt 10c, pt 20c, (by mail, 28c). qt 35c (by mail, 50c), ½ pk $1.10, pk $2.00.**

THREE SUPERB NEW PEAS

Laxtonian (the new Dwarf Gradus).
Little Marvel (an improved Nott's Excelsior).
Vaughan's Exhibition (largest of all peas).
Are described in detail on Novelty page 6.



DWARF DEFIANCE

BEST TYPES — DWARF PEAS—MAIN CROP — BEST SEEDS

DWARF DEFIANCE

Mid-season; we consider this large pod dwarf Pea the best main crop variety. The dark green pods are often equal in size and fullness to the Tall Telephone, and under favorable conditions the yield will bear comparison with any tall sort. The Peas are large, while in flavor and sweetness they rank with the very best.

Pkt 10c, pt 20c (by mail, 28c), qt 35c, (by mail, 50c), ½ pk $1.10, pk $2.00.

HEROINE

A main late crop dwarf Pea; grows 2½ feet high, very sturdy growth, luxuriant foliage. Pods are long-pointed, slightly curved and well filled with Peas of luscious flavor and quality. Very uniform, true and extremely Prolific.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), ½ pk $1.25, pk $2.25.

WITHAM WONDER

A second early wonderful cropping dwarf sort. The pods are dark green and match the foliage closely enough to make the crop seem light although the vines are heavy with pods. Ten to twelve pods appear on a vine, each filled with Peas to the point of bursting. The Peas are medium size, very sweet, thin skin, and quickly cooked. Sure satsifaction to all who plant this variety.

Pkt 10c. pt 20c (by mail 28c), qt 40c (by mail 55c), ½ pk $1.15, pk $2.25.

McLEAN ADVANCER

Season mid-early; under average conditions, this is the largest producer of shell Peas of all the varieties maturing in like time. It is therefore a great favorite with market gardeners and canners. Vines grow about 2½ feet high, producing pods of medium size packed with peas of excellent quality.

Pkt 10c, pt 15c (by mail 23c). qt. 30c (by mail 55c), ½ pk $1.00, pk $1.85.

SUCCESSION COLLECTION of DWARF PEAS

Sutton's Excelsior. Dwarf Defiance. Heroine.
Planted at one time they will ripen successively.

No.		Postpaid.	At Buyer's Expense
1	1 packet each	$0.25	$0.25
2	1 pint each	.75	.50
3	1 quart each	1.40	95
4	½ peck each		3.35

DWARF TELEPHONE or DAISY

A mid-season dwarf Pea, growing only eighteen to twenty-two inches high, yet bears immense bright green pods, containing seven to nine peas of the very best flavor. Our stock is a re-selected one.

Pkt 10c, pt 20c (by mail 28c), qt 40c (by mail 55c), ½ pk $1.25, pk $2.25.

HORSEFORD'S MARKET GARDEN

The immense yields, under favorable conditions, have given this variety also vast and well merited popularity. Later than Advancer; grows taller, requires no brushing, and is a somewhat heavier producer. The vines grow remarkably uniform, bear pods of medium size jammed full of good Peas, which mature uniformly.

Pkt 10c, pt 15c, (by mail 23c,) qt 30c, (by mail 45c,) ½ pk $1.00, pk $1.85.

JUNO

Main crop dwarf wrinkled Pea. Long pods, straight and well filled with seven to nine large Peas of very best quality. A hardy, vigorous, prolific variety. Quite similar to Dwarf Champion listed in some catalogs.

Pkt 10c. qt 20c (by mail 28c), qt 35c (by mail 50c), ½ pk $1.25, pk $2.25.

IMPROVED STRATAGEM

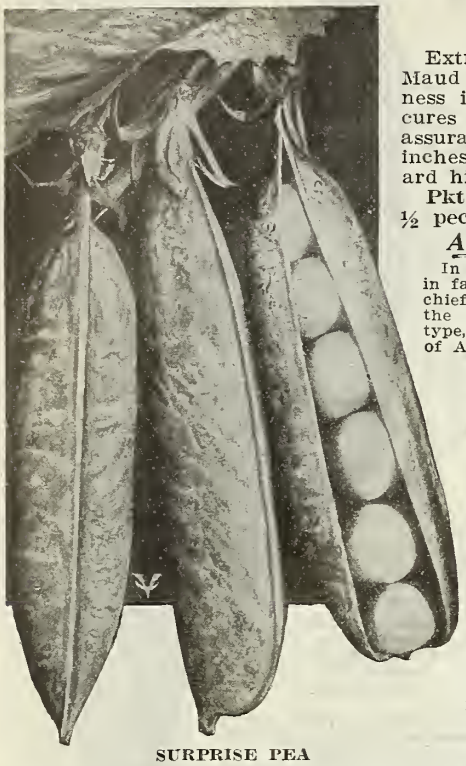
Considered by many the highest quality of all peas. A dwarf mid-season wrinkled pea. Vines grow two feet high and require no support. Pods are long, dark green in color, packed with immense peas of delicious sweetness and flavor.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c,) ½ pk $1.10, pk $2.00.

NORTHERN GROWN

EXTRA EARLY PEAS

MEDIUM HEIGHT



SURPRISE PEA

Do not fail to include in your orders that most wonderful Canna novelty, Fire Bird. See page 96.

VAUGHAN'S SELECTED EXTRA EARLY

MAUD S.

Extra Early Strain of early white seed, round smooth Pea. Maud S. embodies all the essential points of an extra early. Evenness in ripening, permits gathering crop at once, earliness secures first peas for market or table, uniformity to type, gives assurance of results. There are 5 to 7 peas in pods, 2½ to 3 inches long; vines grow 20 to 26 inches high, our strain is standard high quality.

Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), ½ peck $1.00, peck $1.85.

ALASKA—also called EARLIEST OF ALL

In season, same as Maud S., there are other points of similarity, in fact the two are nearly identical, difference in color of seed is the chief distinction, the seed in the Alaska is bluish in color. This is the Standard Pea for market and canning. Our strain is true to type, and gives uniform satisfaction; there are few other true strains of Alaska on the market. Round Seed Peas do not rot in cold soil as easily as wrinkled sorts, so they can be planted early. Like all Vaughan's seeds, these are thoroughly tested, and only the highest tests give the results we can afford to put our name on.

Pkt., 10c.; Pt., 15c. (by mail, 23c.); Qt., 30c. (by mail, 45c.); ½ Pk., $1.00; Pk, $1.85.

FIRST AND BEST

A little later but more productive strain of white seed extra early pea, than Maud S. This sort is sold under other names: Philadelphia Extra Early, Rural New Yorker, Daniel O'Rourke, Best Extra Early, etc. Get Vaughan's First and Best. You can then be sure of best quality.

Pkt., 10.; Pt., 15c. (by mail, 23c.); Qt., 30c (by mail, 45c.); ½ Pk., 90c.; Pk., $1.75.

VELOCITY

Earliest at present time. Similar to Alaska but with smaller vines and pods; seed round, smooth and bluish color; quality fair. Season nearly a week earlier than Alaska.

Pkt., 10c.; Pt., 20c. (by mail, 28c.); Qt., 35c. (by mail, 50c.); ½ Pk., $1.25; Pk., $2.25.

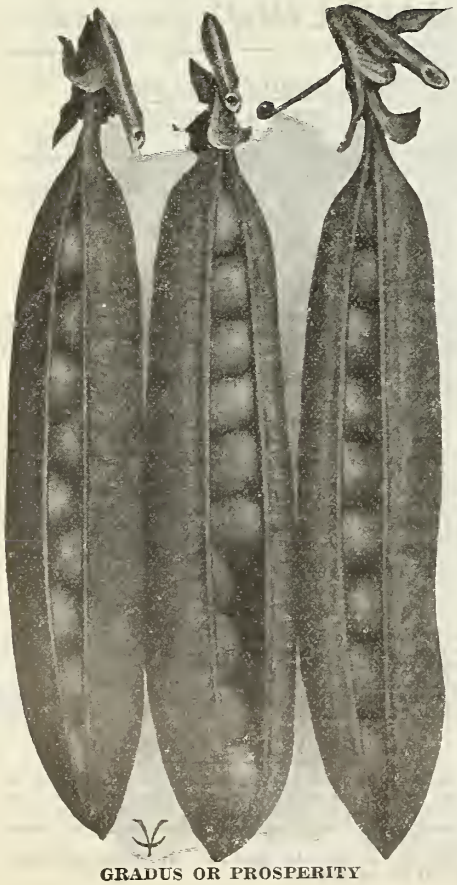
SURPRISE—The Earliest Pea of Quality

Earliest of all **Sweet Wrinkled Peas.** In season with Alaska within two days, but not so hardy and cannot be planted in as cold soil. Vines grow 24 inches high and need no support. The pods are borne in medium prolific quantity, are good size and filled with wrinkled peas of excellent, sweet quality, much like Nott's Excelsior.

Pkt., 10c.; Pt., 20c. (by mail, 28c.); Qt., 35c. (by mail, 50c.); ½ Pk., $1.10; Pk., $2.00.

ALASKA or EARLIEST OF ALL
This is the Standard Pea for market and canning.

WHEN BRUSHED **TALL SORTS** DO BEST



GRADUS OR PROSPERITY

GRADUS

Gradus is the most popular of all **Extra Early Wrinkled Peas.** The favor shown for this fine sort is due to exceptional merit. Earliness, general appearance, size, number and quality of peas in the pod, combine to make Gradus the favorite it is. The vines grow about 30 inches high, pods 4 inches or more long, bright green color, which contain 8-10 or more luscious peas of exquisite quality and flavor. A table delight and luxury that retain their color and attractiveness after being cooked. Sowing should be done in the warmest spot in the garden, as this sort is a little tender. Gradus is within two or three days as early as the small round extra early sorts.

Pkt 10c, pint 25c (by mail 33c), quart 45c (by mail 60c), ½ peck $1.50, peck $2.75.

VAUGHAN'S NEW LATE GRADUS

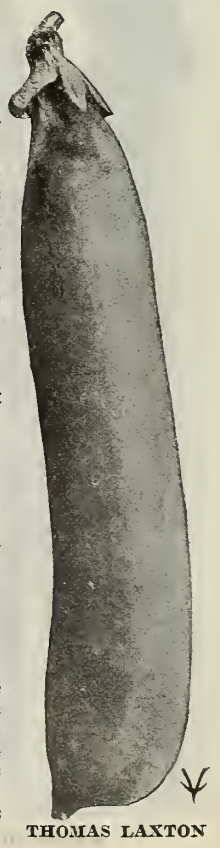
The only high quality large podded, tall growing pea, ripening between the season of Gradus and Telephone, an interval of nearly ten days. The pods are equal in size to the best telephones, straight and dark green in color. In yield they average equal to the later sorts. An invaluable variety for the garden, filling in a bare period, and extremely profitable to the market grower, but it commands the high prices of the early peas and yields as well as the late.

Pkt., 10c.; Pt., 25c.; Qt., 45c.; ½ Pk., 2.00; Pk., $3.75.

THOMAS LAXTON

A first early, large pod wrinkled pea, a worthy product of the Gradus strain. In season with Gradus, a few days later than Alaska. The pods are blunt, contain more peas than Gradus, may be grown with or without support and are borne on vines 3 to 3½ feet high. This variety has the general characteristics of the parent Gradus, and for the home garden is perfection.

Pkt., 10c; Pt., 25c (by mail, 33c); Qt., 45c (by mail, 60c); ½ pk., $1.50; Pk., $2.75.



THOMAS LAXTON

TALL GROWING PEAS

VAUGHAN'S IMPROVED TELEPHONE

The continued splendid results obtained by growers of this sort prove it to be the best main crop variety of tall growing peas. Excellent quality has made it a favorite, productiveness has made it profitable. The immense, firm, dark green pods are handsome and they are filled with peas, tender and deliciously sweet. The vines, four feet high, grown without support, are vigorous, very prolific and do best when brushed. Beautiful color, large size, fine quality of peas, and productiveness make this the best sort for home or market garden—best type of Telephone.

Pkt. 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), ½ peck $1.25, peck $2.25.

CHAMPION OF ENGLAND

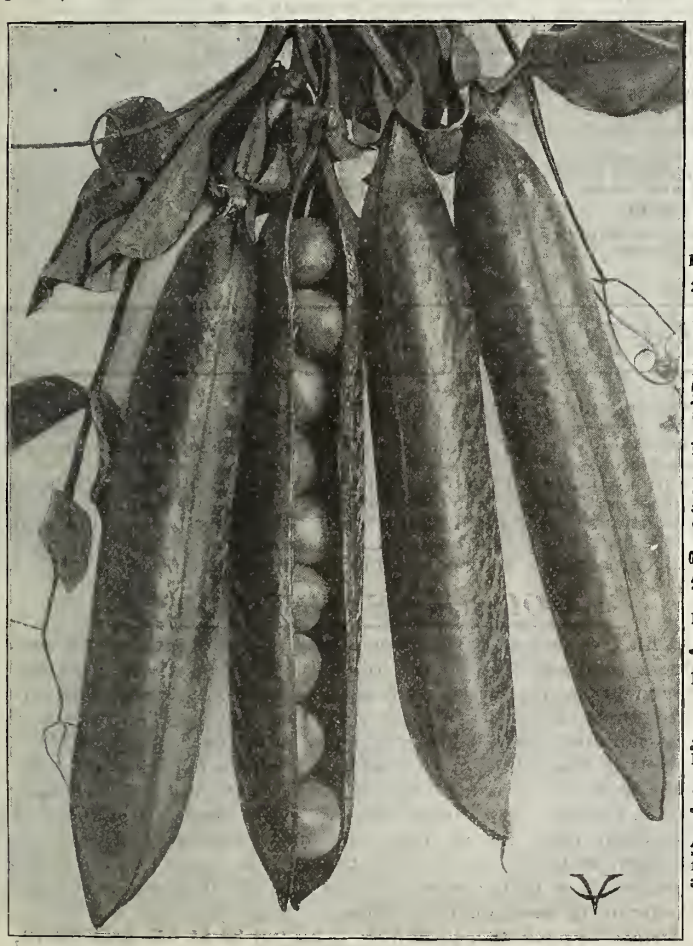
One of the oldest varieties of peas, is yet unsurpassed in quality, and as a late season tall pea, takes rank as the best. The vines are very vigorous, grow about five feet high and produce a heavy crop of good size pods, completely filled with sweet, lusciously, meaty peas. **Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c). ½ peck $1.10, peck $2.00.**

Succession Collection Tall Peas			Postpaid by Mail.	By Express at Buyer's Expense.
Gradus	No. 7.	1 pkt., each	$0.25	$0.25
	No. 8.	1 pint, each	1.00	.75
Improved Telephone	No. 9.	1 quart, each	1.80	1.35
Champion of England	No. 10.	½ peck, each		5.20

Alderman A tall growing, medium season pea, of English origin. It is perhaps a few days later than Vaughan's Improved Telephone. The pods are very large, straight and dark green in color. The vines are remarkably vigorous and the variety immensely productive, highest quality.
Pkt 10c, pint 20c (by mail 28c), quart 40c (by mail 55c), ½ peck $1.30, peck $2.35.

Boston Unrivalled The highest type of the light colored, tall, large podded, medium season, extremely uniform in type. Peas of delicious flavor.
Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), ½ peck $1.10, peck $2.00.

Prince Edward An English strain of the Telephone type, selected and bred especially for size of the pods, which are truly monstrous—see illustration. An excellent exhibition sort, medium in season and a heavy yielder of finest quality peas.
Pkt. 10c, pint 20c (by mail 28c), quart 40c (by mail 55c) ½ peck $1.30 peck $2.35.



PRINCE EDWARD, ONE OF THE LARGEST PODDED PEAS

VAUGHAN'S IMPROVED TELEPHONE.—THE IDEAL TALL GARDEN PEA.

Telephone The old type is not as uniform as some of the improved varieties, the pods are light instead of dark green color.
Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), ½ peck $1.00.

Quite Content The largest podded pea, season is slightly later than Vaughan's Improved Telephone, the pods are gigantic, 5 to 6 inches in length and well filled with the fine flavored large peas. The vines grow 5 to 6 feet, brushed, and are long yielding. One of the finest exhibition sorts.
Pkt 10c; pint 25c (by mail 33c), quart 45c (by mail 60c), ½ peck $1.60, peck $3.00.

Long Island Mammoth Known also as Telegraph. Later than Telephone, of which it is regarded as a strain, with smooth seeds. The pods are not so large nor the peas of as good quality, but the vine is hardier than Telephone. The seeds are nearly smooth.
Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), ½ peck $1.10, peck $2.00.

Everbearing For late summer and autumn; very prolific variety. Pods about 3 inches long, with large peas of good quality.
Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), ½ peck $1.00, peck $1.85.

Yorkshire Hero An old standard variety; vines medium tall, produce a crop of fine, broad, well filled pods. The peas are wrinkled, sweet, large and remain in good condition for eating a long time. A great favorite on the Pacific Coast.
Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), ½ peck $1.00, peck $1.85.

Black Eye Marrowfat (Late) A great yielder of ordinary quality peas.
Pkt 10c, pint 15c (by mail 23c), quart 25c (by mail 40c), ½ peck 75c, peck $1.40.

White Marrowfat Similar to Black Eye. Popular heavy yielder.
Pkt 10c, pint 15c (by mail 23c), quart 25c (by mail 40c), ½ peck 75c, peck $1.40.

EDIBLE POD PEAS

Dwarf Gray Sugar 15 to 18 inches high; pods purple; large and eaten like string beans.
Pkt 15c. Crop failed.

Tall Gray Sugar Tall growing strain of above.
Pkt 10c, pint 25 (by mail 33c).

Mammoth Melting Sugar A late, large sugar pod pea. Vines 4 to 5 feet high. The best quality sugar peas. Pods 5 to 6 inches long, thick and fleshy. A delightful dish, cooked as string beans.
Pkt 15c, pint 30c (by mail 38c), quart 55c (by mail 70c).

VAUGHAN'S "SPECIALS" IN BEANS

Are grown by us on our Michigan farms. They are unsurpassed in type and quality. **See pages 3 and 4.**

PEPPER

Sweet Varieties: Upright Salad, Neapolitan Salad, and Magnum Dulce are mild and sweet. They can be eaten raw like an apple.

VAUGHAN'S MAGNUM DULCE PEPPER

This is the largest American variety of Pepper. The fruits are of tremendous size, some growing 7 inches in length to 4 inches in diameter. The flesh is exceptionally mild, sweet and pleasant; so mild that fried like egg plant it makes a most delicious and piquant vegetable for the table. For maximum yields it is desirable to pinch off the "King Flower," the first one to open. These flowers make the largest peppers. However, the yield of medium sized fruits is increased by such practice. Our seed is very carefully grown and re-selected every year. **Pkt 10c, ½ oz 30c, oz 50c, ¼ lb $150, lb $5.00.**

NEW SWEET PEPPER NEAPOLITAN SALAD

A cross between the Upright Sweet Salad variety and the Neapolitan. This new sort ripens even earlier than the Neapolitan, hitherto the earliest pepper of marketable size. The color is light green, changing to bright red when ripe. A great producer, the plants becoming simply loaded with fruit, and in the ripening state a block of these peppers appears a mass of red and gold. In size as large as Neapolitan. **Pkt 10c, ¼ oz 20c, ½ oz 30c, oz 50c.**

NEAPOLITAN SALAD PEPPER

New Sweet Upright Salad For use in the Northern states it is the best garden variety to date. Early and so mild in flavor that even the seed may be eaten raw. The fruits are of medium size, just right for stuffing and frying. In habit the bushes are of medium height and bear the Peppers upright instead of drooping, making gathering very easy. The color of the Pepper is a bright shiny green which turns to a waxen red when ripe. Early, prolific, sweet and mild, fine size, making it all together an unsurpassed sort.
Pkt 10c, ½ oz 20c, oz 35c, ¼ lb. $1.00.

Vaughan's Sweet Mountain A strong growing variety and very productive. The fruits when young are a bright deep green color without any shade of purple; when ripe they are most handsome red. The flesh is thick and mild, though sharper than Upright Sweet Salad. The Peppers often grow 6 inches long by 4 inches through. Our seed bas been very carefully selected.
Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 60c, lb $2.10.

Ruby King One of the most popular varieties; growing 4½ to 6 inches long by 3½ to 4 inches thick. Peppers are a bright ruby red and make one of the best sorts for stuffed pickles. Quite sharp in flavor; the meat is thick, crisp and tender.
Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 60c, lb $2.10.

Fancy Wrinkled Quite distinct and ornamental; fine colors, pungent flavor. Used in pickles. **Pkt 10c, oz 30c.**

Chinese Giant Double the size of Ruby King; not so large as Magnum Dulce. This is the standard large Sweet Pepper. It is quite early to ripen and very productive for so large a variety. Productiveness may be increased by pinching the first or "King" blossoms which appear. They grow 4 or 5 inches broad at the top, and are of equal length. Quite uniform in size. The flesh is mild and unusually thick and makes an excellent salad sliced and served like Tomatpes. Color green changing to a glossy scarlet when ripe. **Pkt 10c, ¼ oz 15c, ½ oz 25c, oz 40c, ¼ lb $1.15, lb $4.00.**

Neapolitan A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruits are of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe. **Pkt 10c, 2 for 15c, oz 25c, ¼ lb 70c, lb $2.50.**

	Pkt.	½ oz.	oz.	¼ lb.
Bullnose—Sweet Mountain is an improved type	5c	15c	25c	60c
Cayenne—Long red; very hot	5c	15c	25c	75c
Cayenne Pickling—Dwarf; habit upright	10c	15c	25c	...
Celestial—Ornamental	10c	15c	25c	75c
Cherry—Prolific; fruit small and round; good for pickling	10c	15c	25c	75c
Elephant's Trunk—Long, mild; bright scarlet color	5c	15c	30c	...
Mammoth Golden Queen—Large yellow	5c	15c	25c	60c
Golden Dawn—Mild yellow	5c	15c	25c	60c
Red Chili—Good hot pickling	5c	15c	25c	...
Red Cluster—Small and pungent	5c	15c	25c	...
Sweet Spanish Monstrous—Large fruit, mild and sweet	5c	15c	25c	60c
Tabasco—Hottest of all	10c	25c	40c	...

VAUGHAN'S EARLY POTATOES

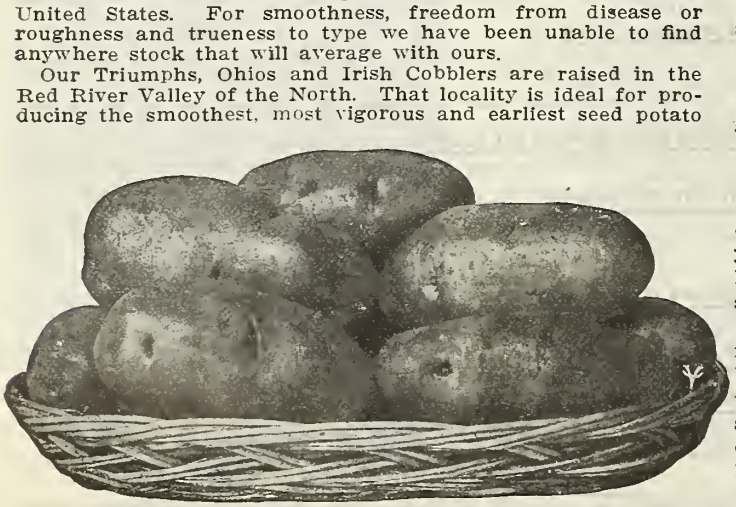
GROWN IN THE FAR NORTH

Vaughan's Selected Northern Grown Seed Potatoes are standard with the critical potato growers throughout the United States. For smoothness, freedom from disease or roughness and trueness to type we have been unable to find anywhere stock that will average with ours.

Our Triumphs, Ohios and Irish Cobblers are raised in the Red River Valley of the North. That locality is ideal for producing the smoothest, most vigorous and earliest seed potato known (not excepting the Maine region). The medium and late crop sorts are grown in Northern Michigan, some on our own land and all under our direct supervision from our own seed stock.

In sorting after harvest, prongy, small, scabby and off-shape tubers are thrown out. The stock is then stored under perfect conditions and is again re-sorted in the spring before shipment.

We are large potato handlers, and, quality considered, can meet all competition. Wire or write for latest quantity prices.



WOODBURY'S WHITE ROSE

WOODBURY'S WHITE ROSE

This is a second early, rather long, white potato, which produces in time to command the high early market prices and yet yields a crop which compares favorably with the standard late kinds and twice as heavy as the earlies. The quality is superior and much better than any other early sort. WHITE ROSE is a seedling of the EARLY ROSE and takes its earliness from its parent. The vine is vigorous and a good early blight resister. The tubers are of a more desirable shape than the Early Rose, not so long, skin pure white and the eyes are shallow, so there is no loss in peeling. A white potato always commands a better price on the market than an early red. Particularly good on light soils.

Price: ½ peck 35c, peck 60c, ½ bu 90, bu $1.65, sack $4.10, bbl $4.35, 10 bus $14.50.

VAUGHAN'S EARLY POTATOES

GROWN IN THE FAR NORTH

Don't buy store potatoes this summer when the best early seed can be purchased at the figures below:

Vaughan's Red River Ohio.—The best earlies to date. Every farmer or gardener who plants early potatoes knows the Early Ohios and nearly everyone knows the Vaughan Red River Valley Strains. They have no equal. Maine Stock, with all its many boasts of superiority, is neither as early nor as vigorous, and what is more important, very little—due to careless methods of growing and handling—run true to type. Years ago we recognized that conditions in the Red River Valley were ideal for growing early potatoes and we were the first to raise our seed stock in that country. When we say that our same growers have, for almost twenty years, produced our stock, it may be readily understood that our seed potatoes have been satisfactory.

Prices.—The potato crop of 1912 is reported one of the largest in history. Prices at the writing of this catalog were firm, considering the apparent surplus The keeping quality of a great deal of the stock is only fair, and it looks as if there would be money in planting early potatoes. Usually with potatoes, high prices and a short crop follow low prices and a big crop.

Write us when in the market for 50 or 100 bushel lots. Our barrels contain 11 pecks (165 lbs).

VAUGHAN'S WHITE OHIOS

This is the most popular early White Potato. Although it has been many years since Vaughan's Seed Store first introduced the Early White Ohio it is still without an equal as an early white. A sport of the "Red Ohio" it is in most respects similar to that variety and while it does not yield as heavily as the Early Red Ohio it is superior in quality and, being white, commands a premium on the market that usually makes up for the lesser crop. A quality home variety.

½ pk 35c, pk 60c, bu $1.60, sack 165 lbs $4.00, bbl $4.25, 10 bu $14.00.

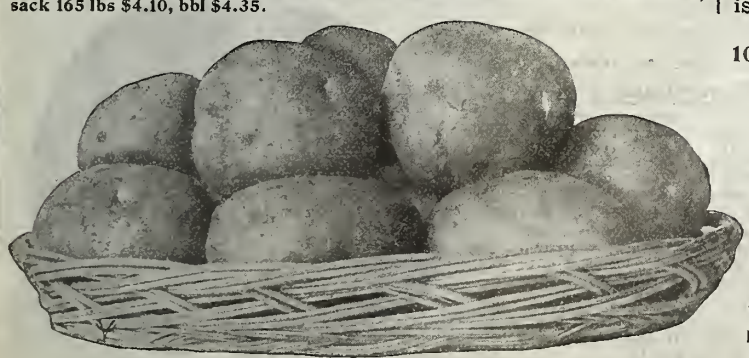
Acme A Potato of the Ohio type, in fact very similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. First class for both market and amateur gardeners.

½ pk 30c, pk 55c, bu $1.50, sack $3.75, bbl. $4.00, 10 bu $13.00.

Noroton Beauty or Quick Lunch This is a very early white, round Potato with eyes of medium depth. It may be regarded as the earliest commercial sort up to date. Quality is quite good. It is not a heavy yielder and will run usually about two-thirds the number of bushels per acre that the Early Ohio produces on the same ground. For ordinary purposes it is very hard to distinguish this variety from White Bliss Triumph, although perhaps it is a slightly better yielder. Our stock is grown from that of the originator and has been very carefully selected.

½ pk 40c, pk 70c, ½ bu 90c, bu $1.75, sack 165 lbs $4.35, bbl $4.60.

Bliss or Red Triumph For more than a decade this has been the standard early Potato in the South. It is a round reddish skinned Potato; rather deep eyes and of medium size. As they appear early in the Spring on the Northern market they are very attractive and of course command a large premium over the old stock. Seed is scarce this year. **By freight or express, ½ pk 35c, pk 60c, bu $1.65, sack 165 lbs $4.10, bbl $4.35.**



IRISH COBBLER

VAUGHAN'S IMPROVED EARLY OHIO (RED)

Although one of the earliest varieties, the Early Ohio is at all times considered the best early potato today. It is early, our Red River Strain runs a week to ten days ahead of seed from other sources; it yields well even under most adverse conditions and bears a much heavier crop than any other early with the exception of Irish Cobbler and Woodbury's White Rose. It has quality superior by far to the earlier Noroton Beauty or Triumph and the rather coarse Cobblers. The tubers are of medium size, small eyes, red or pinkish skin. Note—It is a curious fact that in the Middle States, Red River Seed always is earlier and yields better than does native stock, no matter how carefully selected. For this reason the large market growers always buy this seed.

½ pk. 30c, pk 55c, bu. $1.50, sack (165 lbs) $3.75, bbl $4,00, 10 bu $13.00.

IRISH COBBLER

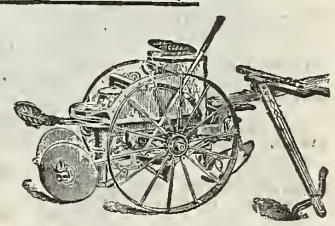
A HEAVY CROPPING EARLY

A variety which in recent years has attained immense popularity. In many soils it is as early as, or within a few days of, the Early Ohio and the yield is much superior. Added to the last point, the potato is chunky, white in color, of a medium large size, making it the most attractive variety by far on the early market. While the quality is rather coarse, the market price, on account of its handsome appearance, is generally better than the Early Ohio. Irish Cobbler does its best on light soils. Our stock, this year, is Red River Valley grown and our customers will find it earlier and more vigorous than stock of different origin. The crop is short, and as this variety is very popular, we advise ordering early.

½ pk 30c, pk 60c, bu $1.60, sack (165 lbs) $4.00, bbl $4.25, 10 bu $14.00.

IRON AGE POTATO MACHINERY

We take pleasure in recommending to our customers the "Iron Age" Potato tools as we know they will give unqualified satisfaction. We can supply the Planter, Sprayer and Digger, and as our space here is too limited to give detailed description, we will mail illustrated catalogue on application which will give full details.



Iron Age Potato planter No. 1 or 3, $78.00, with Fertilizer Distributer.
Iron Age Potato Planter No. 2 or 4, $68.00, without Fertilizer Distributer.
ron Age Potato Digger, No. 125.....$90.00

POTATOES

MAIN CROP

GROWN IN THE FAR NORTH FOR VAUGHAN'S SEED STORE—TRUE STOCK

NEBRASKA

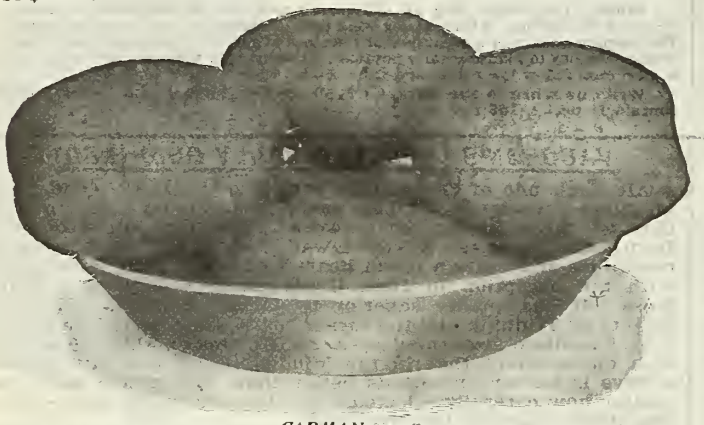
This is a potato with an excellent record; from experienced growers and experiment stations we have had the most flattering reports. It is the heaviest cropping main crop flat white potato. Particularly adapted to the prairie soils of the Middle West. Three hundred bushels per acre yields are not uncommon under favorable conditions. In Michigan, Northern and Central Colorado, Illinois, Nebraska, for a series of years the Nebraska has out-yielded such kinds as Carman, Sir Walter Raleigh and Rural New Yorker, Beauty of Hebron, etc. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carman or Rural type; size larger and quality superb. To grow for market there is no more profitable sort, for its appearance is ideal, and in the home garden its high quality meets the demands of the most critical.

By freight or express, ½ pk 35c, pk 60c, ½ bu 85c, bu $1.60, bbl $4.25.

VERMONT GOLD COIN

This new sort has proven a very valuable potato, planted on loose soils, especially muck land. In clay or heavy situations its deep setting habit of growth is detrimental, and the crop is inclined to run undersized. The tubers are white with a slight streak of pink; size is large, slightly irregular, and in loam soils uniformly large size. The vines are vigorous and strong, and the tubers set deep in the ground. In quality it is equal to any and baked it is mealy and dry.

By freight or express, ½ pk 30c, pk 55c, ½ bu 80c, bu $1.50, bbl $4.00.



CARMAN No. 3

NEBRASKA

RURAL TYPES

CARMAN No. 3 One of the most popular of the Carman group of potatoes. A white, flat variety which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties do almost nothing. This characteristic applies also to Rural New Yorker and Sir Walter Raleigh. Carman No. 3 grows to the largest size of these sorts. Our seed has been very carefully selected and given the best soil for a number of years.

By freight or express, ½ pk 30c, pk 50c, ½ bu 75c, bu $1.40, sack $3.50, 10 bu $12.00.

RURAL NEW YORKER No. 2 The standard white market potato. It is very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. Known everywhere as "Dusty" Rural. **By freight or express, ½ pk 30c, pk 50c, ½ bu 75c, bu $1.40, sack $3.50, 10 bu $12.00.**

SIR WALTER RALEIGH An A1 late potato. A seedling of Mr. Carman's, whose work on potatoes has become famous. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. (Read our description of Rural.) Exceedingly fine grained and white fleshed, equaling the old Snowflake quality. **By freight or express, ½ pk 30c, pk 50c, ½ bu 75c, bu $1.40, 10 bu $12.00.**

SWEET POTATOES

GROWN ESPECIALLY FOR SEED

We are prepared to furnish in quantity the best Sweet Potatoes that can be had for seed purposes being especially grown and selected for this purpose. We inspect carefully before shipment and forward nothing but sound Potatoes.

	¼ bu.	bu. boxed	Bbl.
Yellow Jersey, Yellow Nansemond, Early Carolina	$0.75	$2.00	$5.00
Red Jersey, Red Nansemond, Red Bermuda	1.00	3.00	6.00

Sweet Potato Culture, by James Fitz, postpaid for 50c.

SPECIAL POTATO FERTILIZER

This must be quick, lasting and promote healthy, firm growth of tubers. Vaughan's Fruit and Root Crop Manure will do this. See Fertilizer Page 149.

PUMPKIN

Plant one ounce to 25 hills, 4 pounds to the acre alone, or 2 pounds with corn. Valuable for stock feeding as well as for the table.

Large Cheese Of large size, shape flat like a Cheese box, very productive. Keeping quality excellent and extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow.

Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.

Mammoth Prize A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is one of the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room; (one plant to a hill) to reach its largest size.

Pkt 10c, oz 20c, 2 oz 35c, ¼ lb 50c, lb $1.50.

OTHER GOOD SORTS

	Pkt.	oz.	¼ lb.	lb.
SMALL SUGAR Flat sort, good for the home garden	.05	.10	.20	.70
JAPANESE PIE Finest quality, good keeper	.05	.10	.30	.90
GOLDEN OBLONG Orange color. Flesh yellow, excellent flavor	.05	.10	.25	.80
SWEET POTATO Bell shaped. White flesh. Used for pies	.05	.10	.30	1.00
LARGE TOURS OR MAMMOTH FRENCH Very large size	.05	.10	.30	.90
QUAKER PIE. Pear shaped. Rich flavor and good keeper	.05	.10	.30	.90

VAUGHAN'S SUGAR PIE PUMPKIN

One of the very best of all Pumpkins for pies. The fruit is small to medium in size; flesh solid and fine grained; sweet and sugary. The seed cavity is small. A splendid keeper. **Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 80c.**

Calhoun Medium in size, solid and of excellent quality. Skin of cream color; flesh salmon yellow. A fine pie variety.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 85c.

Winter Queen or Winter Luxury

Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russeted as a potato.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 85c.

Large Field or "Big Tom" The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruits average fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange yellow flesh.

Pkt 5c, oz 10c, ¼ lb 15c, lb 45c, by express lb 35c, 10 lbs or more at 30c per lb.

NOTE—Our "Mammoth or Large Sweet" Crop Failed.

VAUGHAN'S SUGAR PIE PUMPKIN

VAUGHAN'S SELECT SCARLET GLOBE

VAUGHAN'S RADISH

Vaughan's Cardinal Forcing and Giant Butter, see Page 6.

VARIETIES

The radishes listed under the "Turnip Shaped Varieties" in this Catalogue are recommended to growers, in the full confidence that they can find nothing in the turnip radish line to surpass Vaughan's Strains of these varieties.

These extra early turnip shaped radishes grow best in a loose, rich soil; being early they have to mature quickly and must be given an opportunity to do so.

Your soil can be improved, if necessary, by applying some commercial fertilizer (see page 149) that is suited to the requirements of your land.

A succession of plantings about a week to ten days apart will give you a supply while later kinds are growing.

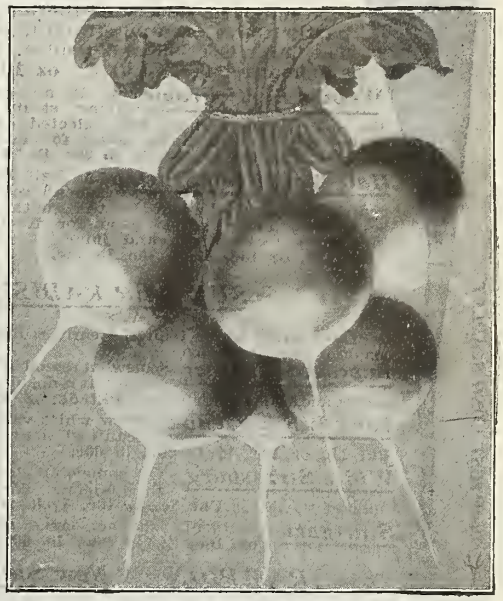
EARLY SCARLET GLOBE

For greenhouse or hot-bed forcing and for out-of-doors; the top is small and stands heat without becoming pithy; very early, mild, crisp and tender one of the most attractive, best selling radishes because of its handsome rich, bright scarlet color and because of its excellent quality a great favorite. It is ready in twenty-five days. Our stock of this is the very best, selected with great care as to size, shape, color and earliness, and market gardeners will find it a money-maker.

Those who have not yet tried this beautiful globe shaped, splendid selling radish, cannot do better than plant it the coming season. For family use this should be sown every ten days in order to always have a fresh supply. This sort is not desirable for hot summer planting, as it loses its shape; it is an early radish.

Vaughan's Selected Stock. **Pkt 5c, oz 10c, ¼ lb 35c, lb 90c, postpaid. By express 5 lbs $3.75, 10 lbs $7.50.**

Scarlet Globe Regular, Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.



SCARLET TURNIP WHITE TIP

SCARLET TURNIP WHITE TIP—Vaughan's Selected Stock

Here is a popular radish for outdoor planting; it is deservedly popular because of its high standard of quality. This radish is bright scarlet with a white tip; the root is very slender. Our seed is most carefully grown from transplanted roots, and is just right in color, size and shape. The white on the tip is not quite so marked as our "Sparkler" strain, but is sharply defined. Many thousands of pounds of this seed is sold to the critical market gardener, and the evidence of their satisfaction with it lies in the repeat orders they send in for this strain. Our stock is the very best.

"Sparkler Strain"—Pkt 5c, oz 10c, ¼ lb 20c, lb 60c, 5 lbs $2.25.

EARLIEST CARMINE TURNIP

The best and quickest early, all scarlet turnip radish of wonderfully quick growth, maturing in about three weeks. The leaves are very short, particularly adapting them to forcing under glass; of superior flavor, crisp and tender. Skin deep crimson red, one of the best outdoor varieties for a home garden.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 80c.

EARLIEST WHITE TURNIP

Short Top (White Box) of quick growth; roots round, pure white; tails very thin; leaves short; flavor excellent. Fine for forcing and open ground.

Pkt 5c, oz 10c, ¼ lb 25c, lb 70c.

RADISH "CRIMSON GIANT"

This radish is **an entirely new type** and differs radically from all other varieties hitherto in cultivation. Its roots attain to **more than double the size** of those of other forcing varieties **without getting pithy or hollow.** It is very early notwithstanding its size. Color crimson, flesh pure white, of the best quality. Fine for outdoors and forcing. The seed should be sown very thinly to permit full development of the roots.

Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

TRIUMPH This is a unique and useful sort. The skin is handsomely striped and mottled, scarlet and white, making it very attractive. Very early with short top and good quality.

Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

EXTRA EARLY OLIVE SHAPED

Vaughan's "20-Day" Radish **The quickest of all Red Radishes. Quick growth** is one of the main essentials for a crisp and tender Radish. This matures in 20 days after sowing, which makes it one of the most valuable sorts for forcing or outdoor culture. The flesh is pure white, crisp and of very pleasant flavor; the skin is a most attractive bright scarlet. The leaves are very short, which admits of very close sowing.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 30c, lb $1.00.

Improved Breakfast Its color is very deep, glossy crimson. The white is well defined and contrasts very pleasingly with the deep red of the upper part. One of the best early radishes for family use.

Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.

Earliest White This is not only the earliest White Radish, but the earliest of any color; good sized radishes having been pulled in from 15 to 18 days after sowing. The radishes are pure white, oblong and tender. The tops are small, which means a good forcer and admits of close planting.

Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00.

Any of the Following, Pkt 5c, oz 10c.

	¼ lb.	lb.
OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's 20-day	$0.25	$0.80
OLIVE YELLOW MAY. A new sort of fine quality	.20	.70
FRENCH BREAKFAST. Quick and handsome	.15	.70
MIXTURE. Of turnip and olive shaped varieties	.20	.60

IMPROVED BREAKFAST RADISH

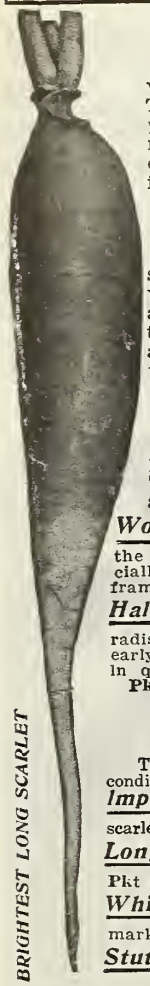
OTHER KINDS

	Pkt 5c	$0.10	$0.25	$0.75
NE PLUS ULTRA. Rich scarlet turnip shaped, good forcer.				
EARLY DEEP SCARLET TURNIP. An old standby		.10	.25	.80
YELLOW TURNIP. (A summer variety)		.10	.20	.70
GOLDEN YELLOW SUMMER TURNIP. Smooth and fine skin		.10	.20	.70

VAUGHAN'S 20 DAY

RADISHES

Early Long Varieties



BRIGHTEST LONG SCARLET

ICICLE, The Finest White Radish

This, the finest of the white radish variety, has long slender pure white roots and they remain mild and crisp until they grow large. The tops are short, showing early maturing; also permits closer planting to be done. Many of our customers regard it as the finest radish they have ever grown. A succession is secured by planting every ten days. As a fine eating radish it is a great favorite because it is mild and crisp and white. **Oz 10c, ¼ lb 20c, lb 70c.**

BRIGHTEST LONG SCARLET

This is the earliest long Red radish and the handsomest. It resembles the "Long Scarlet" in shape, but is brightest scarlet color, with long snowy-white tips. This combination of brightest scarlet and snow white color makes it highly attractive and makes it also the best seller of any long radish on the market. In twenty-five days after planting it is usually fit for the table. It is an excellent sort for the home garden. **Pkt 5c, oz 10c, ¼ lb 25c, lb 70c.**

LONG SCARLET SHORT TOP

A standard variety of the long type of radish. The roots grow long partly above ground, straight, smooth and of bright rich scarlet color. The flesh is crisp and tender; this sort is well suited both for home and market use. **Pkt 5c, oz 10c, ¼ lb 20c, lb 75c.**

Wood's Early Frame This is an early forcing strain of the long scarlet, short top, selected especially for growing under glass for use in frames. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**

Half Long Deep Scarlet A half long deep scarlet radish; is grown much in the south for early shipment; is also good for forcing; in quality it is brittle and juicy. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

Vaughan's Market The best early half long white radish, tender, delicate, brittle and fine flavored, resembling the Strassburg in size, but of quicker growth; very smooth and regular in appearance with pure white skin. **Pkt 5c oz 10c, ¼ lb 25c, lb 75c.**

Be sure to plant Icicle Radish in the home garden

ICICLE RADISH

Cincinnati Market A long red radish, six to seven inches, with quite short top. This is a standard and is a market radish in a number of southern communities. Does well also in the North; of very desirable quality. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

SUMMER RADISHES

These grow larger than the early radishes and remain in good condition to eat much longer.

Improved Chartier Somewhat resembling brightest scarlet-early radish. It is double the size and later; long scarlet and tipped with white. **Pkt. 5c; oz. 10c: ¼ lb. 20c; lb. 60c.**

Long White Vienna Snow white very brittle and crisp. A beautiful long handsome radish of **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

White Strassburg Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

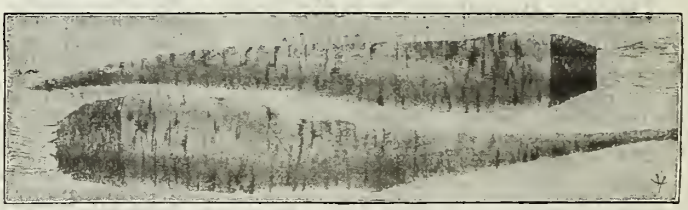
Stuttgart A turnip shaped, large white radish. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.**

WINTER RADISHES

Do not sow these until the latter part of June.

The Munich The German favorite. The radishes are white and grow from 6 to 8 inches in length; are broad at the shoulder, have a white thin skin; grow quickly; have mild and delicious flavor. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.00.**

Each of the following, Pkt 5c, oz 10c, except where noted.	¼ lb.	lb.
CALIFORNIA MAMMOTH WINTER. Long, very large size.	$0.20	$0.70
ROSE OR SCARLET CHINA. Rose color, medium size, fine keeper	.20	.60
CHINESE MAMMOTH OR CELESTIAL. The best of all very large white radishes. Immense size and the flesh always crisp and mild	.20	.70
BLACK SPANISH LONG. Black skin and white flesh	.20	.70
BLACK SPANISH ROUND. Similar to Long Black, except in shape	.20	.70
HALF LONG BLACK WINTER	.25	.75
LONG WHITE SPANISH. Similar to Long Black except color.	.20	.70
RAT TAILED RADISH. Seeds pods edible, oz 30c.		



SALSIFY, MAMMOTH SANDWICH ISLAND

RAMPION—A New Salad

Both the roots and leaves make a delicious salad. **Pkt 10c ½ oz 15c, oz 30c, ¼ oz 55c.**

SALSIFY, OR OYSTER PLANT

Though not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. The roots should be left in the ground to dry up during thaws in the winter and spring. Salsify is boiled like parsnips or carrots and served either with or without cream gravy. Or after half boiling can be grated and made into flattened balls and fried like oysters. Mammoth Sandwich Island Salsify is the most popular.

Mammoth Sandwich Island This variety is much more uniform in growth than the old standard "Long White Variety"; it is twice the size and weight; the roots are of superior quality and most delicate flavor, especially after being touched with frost. **Pkt 5c, oz 15c, ¼ lb 30c, lb $1.10.**

Long White Salsify The Old Standard. **Pkt 5c, oz 15c, ¼ lb 30c, lb $1.10.**

SCORZONERA OR BLACK SALSIFY

Scorzonera, or Black Salsify Considered by many better than white salsify. Somewhat harder to raise, although cultivated in the same way. **Pkt 5c, oz 15c, ¼ lb 45c.**

Improved Long Black (Black Salsify) This variety may be planted in the late spring, earlier than black salsify, without running to seed, the longer season thus permitting a considerable larger growth of root. **Pkt 10c, oz 20c.**

RHUBARB

Vaughan's Mammoth Vigorous and productive; stalks numerous; the large ones being fifteen inches long and fully one inch and a half wide; an excellent spring fruit possessing medicinal properties. It is the first article of the season from the garden and no planter should be without it. **Seed Pkt 5c, oz 10c, ¼ lb 30c, lb $1.00, postpaid.**

Chicago Giant This Rhubarb is the result of an expert's breeding for large stalks and small leaves. We have grown this for a number of years, and consider it the finest variety we have seen. **Pkt 25c, 3 for 65c.**

Rhubarb Roots Set in spring they will furnish leaf stalks the following season; clumps each 15c, doz $1.50, not prepaid. Small roots each 10c, doz $1.00, by mail, postpaid.

We can also supply for immediate effect extra large clumps at **25c to $1.00 each.** These clumps are extra large and heavy and will be sent by express or freight at buyer's risk.

RHUBARB CULTURE, (The New)

A valuable comprehensive book. A complete practical guide; bound in cloth. 130 pages. Price.....50c postpaid.

VAUGHAN'S MAMMOTH RHUBARB

SPINACH, VAUGHAN'S TRIUMPH

This new Spinach is a very compact grower and withstands hot weather longer than other kinds. The plant is somewhat smaller than older sorts. In habit of growth it is prostrate instead of upright. The leaves are thick, warted and do not wilt or run to seed as quickly as the standard varieties. By its use, the Spinach season may be lengthened a whole month, similar to the so-called "Long Season" variety.

Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.

SWISS CHARD—"The City Man's Garden"

This vegetable gives maximum returns for minimum space. Nothing in the garden requires less care and yet it yields a constant crop from July to winter. Also called "Cut and Come Again Spinach."

If your garden space is limited, Swiss Chard must have a place, for in ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as Spinach or beet tops; they are equal in quality and easier to prepare than spinach, and far superior to beets. Sow early in Spring, in rows 16 inches apart, and thin out to 6 inches apart in the rows. It can be used all Summer when spinach is not available. Later the leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like Asparagus or made into very good pickles. Our packages contain recipes for cooking both the leaves and stalks. An ounce of seed is sufficient for a medium sized family.

Many of the Chicago gardeners use Swiss Chard as a catch crop, giving quick results where land would otherwise stand idle. The investment is small and returns often large.

Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.

Lucullus Swiss Chard A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.00.**

Lyon Swiss Chard A new variety, selected especially for its broad mid-ribs and stems. **Pkt 10c, oz 20c.**

SQUASH, MAMMOTH WHITE BUSH

SPINACH

SOW 10 TO 12 POUNDS TO THE ACRE

VAUGHAN'S NORFOLK SAVOY

(Bloomsdale.) The plants are extremely hardy and of good size. The leaves are very thick and blistered. Its hardiness and thickness of leaf permit safe long-distance shipping. A great favorite with Southern Truckers. Our strain is carefully grown and has secured and kept the trade of the largest and best growers in the country. **Oz 5c, ¼ lb 15c, lb 35c, postpaid; by express, lb 25c, 5 lbs $1.00, 10 lbs $1.85.**

Victoria Of the true Savoy type; foliage, dense; leaves, broad and of dark green color; quality of the best. It is a heat resister, and remains in prime condition two or three weeks after all other varieties have run to seed. **Oz 5c, ¼ lb 15c, lb 35c, postpaid. By express, lb 25c, 5 lbs $1.00 10 lbs $1.85.**

Extra Large, Round Leaf Large crumpled leaves. **Oz 5c, ¼ lb 15c, lb 35c, by mail. By express, lb 25c, 5 lbs $1.00, 10 lbs $1.85.**

Prickly Seeded Very hardy; good for fall sowing. **Oz 5c, ¼ lb 15c, lb 40c, postpaid.**

Long Standing Slow going to seed. **Oz 5c, ¼ lb 15c, lb 35c, postpaid. 10 lbs $1.85.**

Monstrous-Leaved Viroflay Quick, strong growth; much used by New York truckers. **Oz 5c, ¼ lb 15c, lb 35c, postpaid. 10 lbs $1.85, by express.**

New Zealand This sort is grown to supply the place of ordinary Spinach during the hottest months of the year, or in dry, arid localities, where ordinary Spinach does badly. The leaves are eaten boiled like those of other kinds. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**

SORREL—Sauerampfer-Oseille

Of the easiest growth. Sorrel is cultivated for its leaves, which possess a very fine flavor; boiled and served like Spinach. It also makes a delicious soup. **Pkt 10c, oz 20c, ¼ lb 50c, lb $1.75.**

SWISS CHARD—Nothing Better for the City Garden

SQUASH

SUMMER VARIETIES

Plant Squashes in warm, light, rich soil and (about 8 or 10 seeds to a hill), afterward they may be thinned out to 3 or 4 vines.

MAMMOTH WHITE BUSH, Patty Pan

The old Early White Bush Scallop has long been the favorite early Summer squash. Mammoth White Bush is an improved selection only a few days later; it is considerably larger and deeper, has less scallops, saving waste, and produces more heavily. Peeled and sliced, then fried like an egg plant, this squash furnishes a most delicious dish. We have a very select strain.

Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.

EARLY WHITE BUSH. The older, very early sort. **Pkt 5c, oz 10c, ¼ lb 20c, lb 75c.**

MAMMOTH GOLDEN BUSH. Like the Mammoth White Bush; however, the fruits run a little larger and have a fine pale-yellow skin with creamy yellow flesh. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

EARLY YELLOW BUSH. A true bush, though of an earlier and smaller strain than the above. **Pkt 5c, oz 10c, ¼ lb 20c, lb 75c.**

BUSH FORDHOOK. A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety whether for summer or winter use. The young tender fruits are prepared and cooked like other summer squashes, or stored before frost, in a warm dry place, furnish winter squash for table use until the next new crop is ready. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.00.**

FORDHOOK. Ripens early and is one of the best keepers we know of. Can be kept all through the Winter until June. Is very prolific, and nearly bug and borer proof. **Pkt 10c, oz 15c, ¼ lb 45c, lb $1.25.**

SQUASH

SUMMER VARIETIES

GIANT SUMMER CROOKNECK

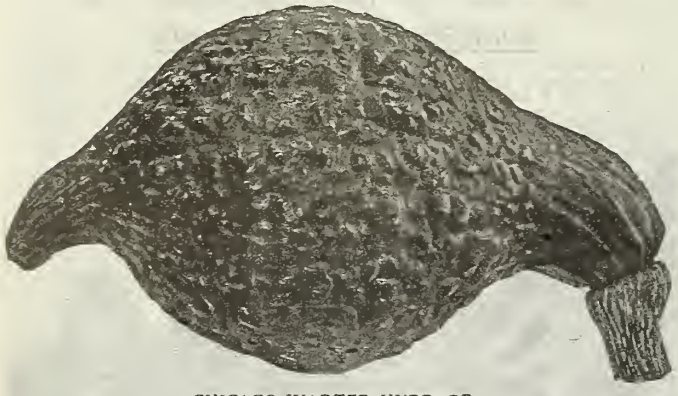
Our strain of this squash is a great improvement upon the standard, popular, yellow Summer Crookneck. It has nearly double the former size, runs more evenly as to type, and grows fruit in quantity on healthy, compact, bushy plants. The fruit is heavily warted, its flesh is of a deep golden color, and its quality is of the very best. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

SUMMER CROOKNECK

The old standard Crookneck variety, smaller in size than Giant Summer or Crookneck, otherwise similar. Very prolific. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**

GIANT WHITE SUMMER CROOKNECK

This is a selection from the old Summer Crookneck, but is somewhat larger. The skin is ivory white, making a very attractive appearance, when this squash is grouped with other Summer vegetables. In quality it is tender, and well-flavored. **Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.**



CHICAGO WARTED HUBBARD

BOSTON MARROW. A widely popular squash for Fall and Winter use. Rind thin, bright orange in color, flesh yellow, rich and sweet; form oval. A good keeper and unexcelled for pies. **Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.**

CHICAGO ORANGE MARROW. As large as the Hubbard, and of good quality. As long keeping as other sorts, yet ten days earlier. In season from September to January, and always saleable, because of its handsome shape, desirable size and smooth orange skin. It suits everybody. **Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.**

PIKE'S PEAK OR SIBLEY. A very vigorous and productive old standard variety. The fruits are large, oval in shape, the blossom end tapering. The color outside is dark green and inside the flesh is light yellow and of superior quality. **Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.**

DELICATA. Orange-yellow color splashed and striped with dark green. Quality is rich, dry and solid. Extra early, a good keeper and fine producer. **Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.**

FAXON'S BRAZILIAN. A great variety to sport; early, long keeping; average quality excellent. **Pkt 5c, oz 10c, ¼ lb. 30c, lb 90c.**

GOLDEN BRONZE. Of large size, 8 to 10 pounds, a grayish green color, flesh golden yellow; sweet, early and a good keeper; very uniform. **Pkt 5c, oz 10c, 2 ozs 15c, ¼ lb 30c, lb $1.00.**

MARBLEHEAD. Light blue, olive shape, delicious flavor, sweet and dry, prolific. **Pkt 5c, oz 10c, ¼ lb 35c, lb $1.10.**

ESSEX HYBRID. Large fruits, broad; large neck or Turk's cap at its blossom end. Good for Fall or Winter. **Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.**

VEGETABLE MARROW

This is a most important vegetable in the English market but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy, and should always be used in a young state. Our packages contain cultural directions and recipes for cooking. **Pkt 10c, oz 15c, 2 ozs 25c.**

The preparation of Vegetables is a science well worked out by the good housewife. Properly and improperly served vegetables means the difference between a delicious, appetizing and palate tickling dish and an insipid, flat, tasteless mass of food. Many people do not care for squash because they have never had it properly cooked. Vaughan's Vegetable Cook Book gives many hints for the preparation of vegetables for the table, including ten ways of serving squash. Free if asked for with order of $2.00 and over, or 25c postpaid.

VAUGHAN'S GIANT SUMMER CROOKNECK

STRAIGHTNECK

This variety has gained an advantage in shipping over the summer Crooknecks, which have always been difficult to pack for distant markets, while in size and quality it compares favorably with any of its class. A desirable sort for gardeners distant from markets. **Pkt 5c, oz 15c. Crop very short.**

WINTER VARIETIES

CHICAGO WARTED HUBBARD

In growing the original green Hubbard on a large scale for market, it was found the largest, heaviest, dark, rough-skinned specimens were the most valuable, and most saleable. Because of this fact, selections of such fruits were made and the result is our selection of Chicago Warted Hubbard Squash. (See type illustrated on this page.) This strain is the ideal winter squash for the home market. Vines have a strong, robust growth; fruits are large, of handsome shape, heavily warted and of a dark green color; flesh is rich and dry, two fine qualities for cooking.

Pkt 5c, oz 15c. ¼ lb 30c, lb $1.10, 5 lbs $4.75, 10 lbs $9.00.

ORIGINAL HUBBARD

This handsome variety is probably the best known and the most popular of the winter squashes. It is similar in both shape and quality to our Chicago Warted Hubbard, although it does not average quite so large in size. The fruits have a dark green skin and often weigh as high as twenty pounds. The flesh is a bright orange in color, fine grained, of superior flavor, dry and thick. For keeping qualities our Hubbard has no superior as properly stored they can be sold in good condition until spring. **Pkt 5c, oz 15c, ¼ lb 30c, lb $1.10, 5 lbs $4.75.**

GOLDEN HUBBARD

For the private gardeners this is the best of the Hubbards. The fruits are of the same shape as the green and warted type but average one-half to one-third less in size, and although earlier in season, keep in excellent shape through the winter. The skin is bright deep orange-yellow, very showy and attractive. Flesh, deep golden yellow, much richer in color than Hubbard, fine grained, cooks very dry and is of rich flavor.

Pkt 10c, oz 15c, ¼ lb 40c, lb $1.25.

THE DELICIOUS—For Quality

For table use no squash compares with this in its remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor. It is a fall and winter squash, being excellent at all seasons, though it does not acquire its best quality until winter. The fruits vary somewhat as to shape and size, but usually weigh from five to ten pounds. The rind is uniformly green, the flesh dark orange and very thick. **Pkt 10c, oz 15c, ¼ lb 35c, lb $1.00,** postpaid.

DELICIOUS SQUASH

EARLIANA
The Best Red Extra Early

VAUGHAN'S EARLIEST OF ALL

This is the earliest tomato we have ever planted, and may be used in the North where there are poor hot bed facilities for growing plants. Where other varieties can be used, this is not particularly desirable, on account of its small size and roughness, wherefore, it cannot compete in appearance with other varieties. Plants are dwarf, robust and quite prolific. Fruit of good quality.

Pkt 10c, ½ oz 15c, oz 30c. ¼ lb 85c.

CHALK'S EARLY JEWEL

The largest and smoothest of the extra early red tomatoes. Somewhat later, a week or ten days, than Earliana. The fruits are larger and smoother. The vines grow very compactly, are immensely productive, and better still, bear continuously throughout the season, in which respect it far surpasses Earliana. Quite similar to Bonny Best.

Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.50.

TOMATOES | Extra Early Varieties

EARLIANA—The Most Popular Extra Early Red

It is the earliest, large, smooth, red tomato. Although in season it ripens with the very first Earliana, at the same time it is of good size, a handsome bright red color, and our strain is smooth, showing almost none of the rough fruits found so numerous in other early sorts and many strains of Earliana.

In habit of growth the variety is compact, with stout jointed branches. The vines yield well and the fruit is solid and of good quality. In many southern tomato shipping sections Earliana is planted almost exclusively. As it is very important to have this variety right, a few days in season or an inferior product meaning the difference of profit or loss with our market customers, we raise this crop under our direct supervision.

Pkt 5c, oz 25c, 2 oz 45c, ¼ lb 75c, lb $2.50.

JUNE PINK—THE BEST EXTRA EARLY PINK

The earliest Pink Tomato. Similar in habit to the famous Earliana except in color, which is pink instead of red; the pink color being most desirable in most markets.

By careful selection this variety has been bred up so there is small loss from rough fruits and gardeners in the West, where a pink tomato only sells readily, find it an extremely profitable sort to grow for early market. The fruits are of fair size and good quality. The vines ripen evenly and the whole crop may be harvested in a short period.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 80c, lb $3.00.

THE HUMMER

A new second early of the globe or ball shaped type. This form of fruit causes no waste in preparation for the table. The Tomatoes are of medium size, crimson scarlet in color, very smooth, free from cracks, and seldom rot. This variety has heavy foliage and should be started up or grown on trellises.

Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.50.

TOMATO PLANTS

We have ready about May 15th carefully grown plants of the following varieties: Acme, New Stone, Dwarf Stone, Dwarf Champion, Ponderosa, Beauty, Globe, and others. Three sizes—seedlings from the hot beds; transplanted plants from flats; and 2-inch pot plants. For prices and varieties see page 58.

DWARF VARIETIES

The dwarf or tree tomatoes are good yielders yet require no staking and are therefore particularly desirable for the home garden.

DWARF STONE TOMATO

This is the largest Dwarf Tomato in existence. In habit of vine it resembles the Dwarf Champion, but is of stronger growth and is more erect. The fruit is similar to the Tall Stone in color (red), shape and practically in size. Specimens weighing one pound each are quite common. The season is fully as early as the Dwarf Champion, but the fruits are double the size. On account of its being of dwarf habit, for the amateur, who is not used to training vines, this is a most desirable sort. The fruit is free from cracks at the stem end, solid, ripens evenly and is of excellent quality. **Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 80c, lb $3.00.**

Dwarf Aristocrat This is a scarlet Dwarf Champion. The Dwarf Champion size, shape, and form is nearly perfect for home use and with the brilliant deep scarlet color which we get in the Aristocrat little is left to be desired. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it suitable for small gardens. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.50.**

VAUGHAN'S MODEL TOMATO

A handsome dwarf tree variety; large size; scarlet color; early and of the best quality. Sure to please in the home garden.

Pkt 10c, ¼ oz 20c, oz 30c, 2 ozs 50c.

FORCING VARIETIES

Sunrise. Rich scarlet, medium size, solid delicate flesh. Very prolific. **Pkt 15c, ½ oz 40c.**

Comet. Scarlet color. Fruit medium and the heaviest yielding of greenhouse sorts. **Pkt 15c, ½ oz 30c.**

Hubert's Marvel. Scarlet color. Round like an apple. **Pkt 15c, oz 35c.**

Best of All, Sutton's. One of the old standard and very good yielder of small scarlet fruits. **Pkt 10c, ½ oz 25c,**

Frogmore Select. Almost round, small seed cavity, bright red color, an old favorite. **Pkt 15c, ½ oz 25c.**

Lorillard. One of the best known and popular kinds. **Pkt 5c, oz 25c.**

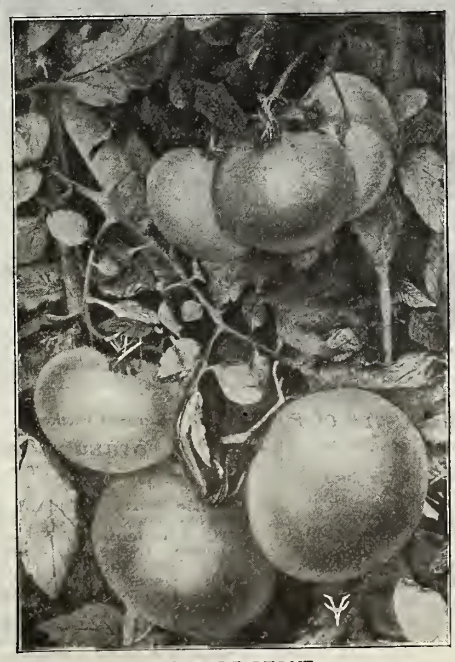
Sterling Castle. Small size, uniform and very productive. **Pkt 15c, ½ oz 35c.**

Lister's Prolific (new). Latest popular English sort. **Pkt 25c.**

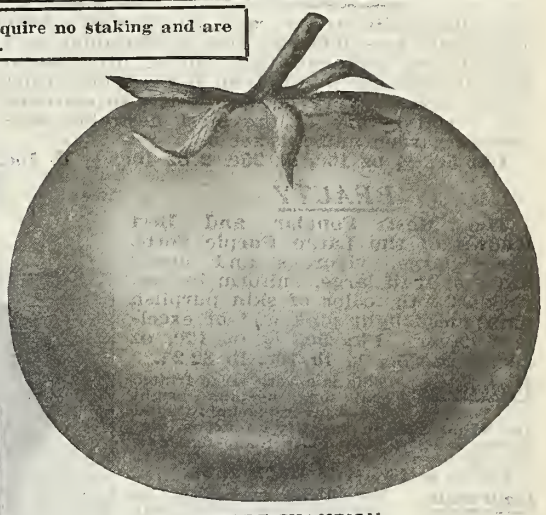
EARLY DWARF CHAMPION

A great favorite on account of its dwarf habit and upright, tree-like growth, which permits close planting. The fruit much resembles the early main crop variety Acme; medium size, the color being a purplish pink, very smooth and symmetrical, fine quality and very solid meated. The vine growth is very strong and stiff, so that it needs almost no support. We cannot recommend this sort too highly for the home gardener.

Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.50.



DWARF STONE



DWARF CHAMPION

POPULAR SECOND EARLIES

Acme An early, purple fruited tomato, very valuable for market gardeners who ship or have a home market, and also for the amateur. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruits ripen early, and the fine, smooth, large tomatoes are produced until frost comes. One of the A1 standard varieties.

Pkt 5c, oz 20c, ¼ lb 60c. lb $2.25.

Cream City This is one of the very first large Tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack or rot. **Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.25.**

Early Michigan An excellent, uniform early red sort. First fruits are very early, while the vines continue bearing a long time. Vines large growers and very productive, will stand high culture. Fruit medium to large, increasing in size as the season advances. Smooth and free from cracks. **Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.25.**

Early Detroit The new early main crop Purple variety, one of the best. See page 8.

Pkt 10c, ½ oz 20c, oz 30c, ¼ lb $1.00, lb $3.50.

IMPROVED STONE—The King of Reds

TOMATO SEED
NEW CROP

Our seed is saved entirely by seed growers who grow for seed only. There is no better quality.

VAUGHAN'S IMPROVED NEW STONE

This is by far the best of all the main crop red varieties and is aptly termed the "King of the Reds." Its smooth, small cored, almost "beefy" scarlet Tomatoes are not equalled by any other variety in appearance, size or largeness of yield. New Stone is grown by gardeners almost exclusively as a main crop sort where markets demand a red Tomato. In canning almost no other sort is used. Our strain has been carefully selected for heavy yielding vines and smooth fruit.

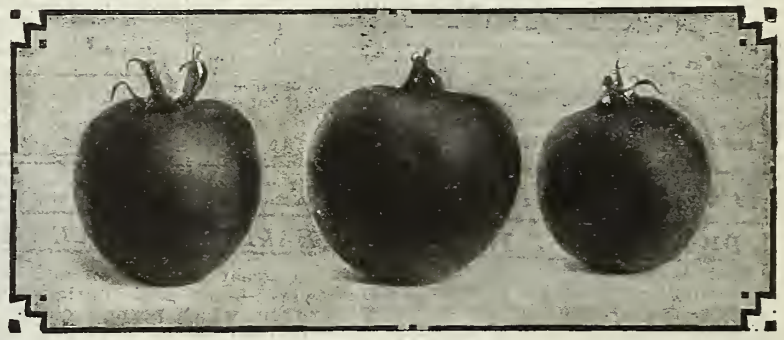
Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 70c, lb $2.25.

NEW GLOBE—A New Ball-Shaped Type

This globe or ball-shaped Tomato is as near an ideal home garden sort as can be found. The shape is something new and is particularly good for slicing, leaving very little waste, one slice like another. The vines ripen their first fruit along with the second earlies; they yield a heavy crop and continue bearing until frost. In color the large fruit are a glossy rose; the flesh is firm, has very few seeds and possesses the very finest tomato flavor and piquancy.

At first this variety showed a considerable percentage of flat fruit, but by careful selection the variety now has been improved so that there are very few off vines.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 80c, lb $2.75.



NEW GLOBE TOMATO

PONDEROSA—The Giant Tomato!

This is the largest-fruited Tomato and is of fine quality for slicing. The vines are of strong growth; fruits largely oblong in form, deep through, and generally ridged or ribbed; deep purple in color. They are solidly fleshy, with small seed cells; of fine sweet flavor. Planted in good soil, pruned to a single stem, fruits frequently attain a weight of one pound or more.

Pkt 10c, ½ oz 20c, oz 30c, ¼ lb 90c, lb $3.25.

TALL CHAMPION TOMATO

An unusually strong, rank grower and a heavy bearer. The fruits resemble the Dwarf Champion in color and smoothness, although they run a little larger in size. Fair average size of the fruit is 2¼ inches thick and 3¼ inches broad. Very hardy. It is also extremely prolific and certainly one of the most desirable sorts for the private garden and market use.

Pkt 5c, ½ oz 15c, oz 25c, 2 oz 40c, ¼ lb 75c.

BEAUTY

The Most Popular and Best Known of the Large Purple Sorts. Vines large, vigorous and heavy bearers; fruit large, uniform in size, very smooth, color of skin purplish pink; flesh light pink and of excellent flavor. **Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c, ¼ lb 70c, lb $2.25.**

Matchless This is a very large fruited and long keeping bright red Tomato. The fruit remarkably solid and is produced in quantity on strong, vigorous vines. A very distinct and desirable variety.

Pkt 5c, oz 20c, ¼ lb 75c, lb $2.25.

Enormous Exceptionally large, also unusually smooth, with solid meat and few seeds. It is oval in shape rather than round. Medium in season, and ripens all through the fruit at once. Deep red. The fruits are very large—the vine, however, is not so productive as Matchless. **Pkt 10c, oz 25c, 2 ozs 45c, ¼ lb 75c, lb $2.50.**

Husk **(or Strawberry).** The small yellow fruits are each enclosed in a husk. Of very sweet flavor, highly esteemed for eating, preserving, or making pies.

Pkt 5c, ½ oz 15c, oz 25c.

SMALL FRUITED TOMATOES

The fruit of these are largely used for making fancy pickles, preserves, etc. The plants are extremely productive.

Two Peach Tomatoes. They resemble a peach in shape and color. They are eaten raw or preserved. Each Red or Yellow.

Pkt 10c, ½ oz 20c, oz 35c. Both kinds, mixed, pkt 10c, 3 for 20c.

Yellow Plum. The fruits average two inches in length and one inch in diameter, of a bright lemon-yellow; are solid, fleshy and of excellent flavor. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.75. Red Plum,** same as **Yellow Plum,** except color, same price.

Yellow Pear. Similar to the **Yellow Plum,** but the fruits have a distinct pear shape. **Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c, lb $2.75.**

Red Pear-Shaped. The larger red type of the above.
Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c.

Red Cherry. Little fruits of a bright scarlet color.
Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 75c.

Red Currant. Very small. Pkt 5c, ½ oz 15c.

SINGLE CLUSTER OF PONDEROSA—Largest Fruited

TOMATO CORELESS

A late red Tomato and the most perfect shaped variety yet produced. Requires a long season to mature and is best suited for the Southern and Central States. When bearing the variety is immensely productive, yielding large clusters of four to seven fruits. A fine late sort for markets that like a red tomato, for the home garden and canners.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 80c, lb $2.75.

Crimson Cushion **or Beefsteak Tomato.** Fruit very large, round and regular; bright scarlet color, flesh solid and of best quality; cells small and few in number. The plants are very productive. The fruit is of fine form and appearance, and will stand shipment well. **Pkt 10c, ½ oz 20c, oz 30c, ¼ lb 90c, lb $3.25.**

Magnus A purple fruited, distinct, early main crop variety. Strong grower with short joints, setting the fruit clusters very close together, and is, therefore, a heavy cropper. Fruits are very thick, many of them being almost globe shaped. Ripens evenly. **Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 70c, lb $2.25.**

OTHER WELL-KNOWN STANDARD VARIETIES
Per pkt. 5c, of any of the following:

	½ oz.	1 oz.	¼ lb.	1 lb.
Atlantic Prize. Standard Early Red	$0.12	$0.20	$0.60	$2.00
Buckeye State. A very large late purple	.12	.20	.60	2.00
Early Freedom. Very early smooth	.12	.20	.60	2.00
Favorite. Large, early and smooth, color bright red, good shipper	.12	.20	.60	2.00
Golden Queen. Rich deep yellow	.12	.20	.60	2.00
Honor Bright. Best shipper; large and good quality	.12	.20	.60	2.00
Imperial. Large early purple variety	.12	.20	.60	2.00
Perfection. Very solid flesh; blood red color; late; a favorite variety	.12	.20	.60	2.00
Trophy. An old standard; late	.12	.20	.60	2.00

Garden TURNIPS and RUTABAGAS

See page 26 for Turnips and other Root Crops for Stock Feeding

CULTURE
Sow in July or August on new land, 1 oz, to 150 ft. of drill, drilled 1½ lbs. to the acre; broadcast, 3 to 4 lbs.

WHITE FLESHED VARIETIES

White Milan. Earliest of all Turnips. Best quality in its class. Fine snowy white color. The skin is smooth and neat as if polished. Foliage is short. Medium size, flesh white, tender and smooth grained. Can be used spring or fall. **Pkt., 5c; oz., 10c; ¼ lb., 30c: 1 lb., $1.00.**

PURPLE TOP MILAN. (See Illustration.) Almost in season with White Milan, the earliest, size medium, shape flat; skin very smooth. Surface color is white with a purple white top. White flesh, excellent quality. Very even in growth. **Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00.**

EARLY PURPLE TOP, Strap Leaved. (See illustration.) Early variety, week or so later than Milan, favorite for table use. Flat like a broad disc in shape, medium size. Purple or dark red above ground, white below. Flesh white, fine grained and tender, leaves few, entirely upright in growth. A good keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, lb., 40c; 5 lbs., $1.75.**

EARLY WHITE FLAT DUTCH. Early garden variety, largely used in southern states. Medium size, flat white; very early, sweet and tender, desirable for table use, but spongy and inferior when over-grown. **Pkt., 5c; oz., 10c: ¼ lb., 15c; lb., 50c.**

EARLY PURPLE TOP STRAP LEAVED

PURPLE TOP WHITE GLOBE

The most popular of all market Turnips. Originated from the Purple Top Flat Turnip; shape is globular; good size, and in appearance best of all varieties. The white surface has an uneven purple edging at the top. The flesh is firm, fine grained, white, and of most excellent flavor. A fine keeper, desirable for table. Splendid for stock. Immense producer. **Pkt., 5c; oz., 10c; ¼lb., 20c; lb., 70c. By express, lb., 55c; 5 lbs., $2.65; 10 lbs., $5.00.**

WHITE EGG. Quick growing, egg-shaped, perfectly smooth, pure white variety, growing half out of the ground, with small top and rough leaves. Flesh very sweet, firm, mild; never has rank, strong taste of some white varieties. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

COW HORN or LONG WHITE. Pure white variety, slight shade of green on the skin at top. Carrot shape, usually slightly bent. Grows nearly half way out of the ground. The table quality is best. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.**

RHODE ISLAND ROCK. Great improvement on White French Turnip, made after years of selection by a Rhode Island market gardener. Three weeks earlier than any turnip of its class; can be planted later to follow peas, corn, beets, etc. Very hardy, solid pure white flesh, fine grained, brittle and sweet. Excels as a keeper. **Pkt., 5c; oz., 10c; ½ lb., 20c; lb., 70c.**

EARLY SNOWBALL. Small, grows quick; white. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

WHITE NORFOLK. Globular, late, solid. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

POMERANIAN WHITE GLOBE. Large, good both for table and stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SWEET GERMAN. A fine table sort, white flesh, excellent keeper. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

SEVEN TOP. A variety much grown in the south for the tops, which are used as greens. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

YELLOW FLESHED VARIETIES

GOLDEN BALL or Orange Jelly. Medium size globular table turnip. Season early. Flesh golden yellow, very sweet. **Pkt., 5c; oz. 10c; ¼ lb. 20c; lb. 60c.**

YELLOW STONE. Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Fine keeper, good for stock. **Pkt, 5c; oz., 10c; ¼ lb., 20c. lb., 60c.**

SWEDES OR RUTABAGAS

Require longer season than Turnips do. For table use they have better flavor and usually keep better than Turnips. An excellent crop to raise for cattle and other stock feeding. Yield heavy, feeding value high. (See page 26) Should be sown from first to middle of July for table use.

VAUGHAN'S IMPROVED. From stock of a purple top; largest size, best shaped variety. Small neck, smooth skin; good cropper and keeper. Excellent table quality: one of the best sorts for stock. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., $1.60.**

LAING'S. Large early, purple top, flesh yellow. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

CARTER'S IMPERIAL. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

SKIRVING'S. Large size, yellow. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

BREADSTONE. Medium size, white roots. **Pkt. 5c; oz., 10c; ¼ lb., 15c; lb., 50c**

HURST'S MONARCH, Oblong form, yellow flesh, solid, fine grained, best flavor. For earliness and quality and weight is superior to any variety in cultivation. Produces two to seven tons per acre more than any other Swedes. The large percentage of saccharine matter in the roots makes very nutritious feed for cattle. **Pkt., 5c; oz., 10c; ¼ lb., 15c, lb., 50c.**

WHITE SWEDE. Flesh white and solid, large size. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

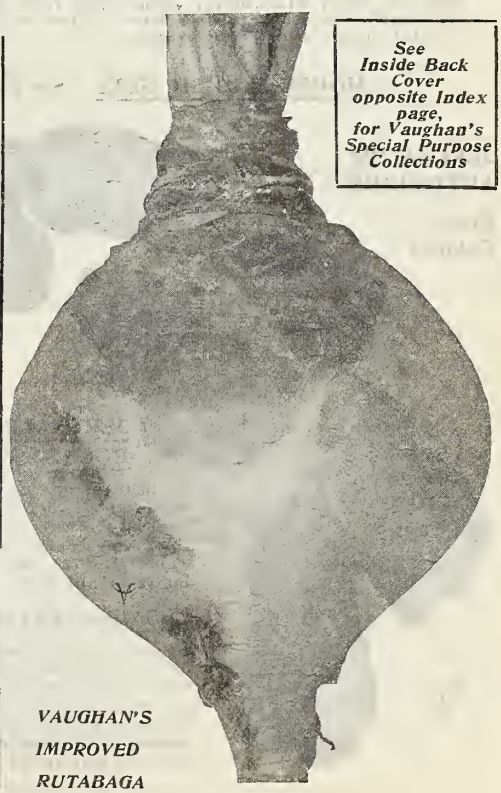
SUTTON'S CHAMPION. Spherical, wonderful yielder, yellow flesh. **Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.**

YELLOW ABERDEEN. Large globe-shaped table and stock variety. **Pkt., 5c.; oz., 10c.; ¼ lb., 20c; lb., 60c,**

LARGE YELLOW or AMBER GLOBE. Fine quality and sweet. **Pkt., 5c; oz.. 10c; ¼ lb., 20c; lb., 60c.**

VASSAR. This is a yellow-fleshed selection of the White Breadstone Rutabaga, and is a very desirable variety for late fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. **Pkt., 5c. oz., 15c; ¼ lb., 25c.**

See Inside Back Cover opposite Index page, for Vaughan's Special Purpose Collections



VAUGHAN'S IMPROVED RUTABAGA

VEGETABLE PLANTS

We grow these in large quantities and also contract with careful hot bed growers to guard against failures.

NOTE We can supply only the varieties listed here.

CABBAGE Ready about April 20th. We can supply the following varieties: Early Jersey Wakefield, Early All Head, Glory of Enkhousen, Premium Flat Dutch, Hollander or Dutch Winter, Savoy and Black Diamond (Red); prices same as Tomatoes; see below and opposite.

CAULIFLOWER Ready about April 20th, Vaughan's New Snowball and Extra Early Erfurt. Prices same as Tomatoes; see below and opposite.

CELERY EARLY Ready June 15th, White Plume, Golden Self Blanching and Giant Golden Heart.

CELERY LATE Winter Queen and Giant Pascal.

CELERIAC Giant Prague.

Transplanted Plants. Doz. 20c, 50 for 50c, 100 for 75c, postpaid. By express, **doz. 15c, 100, 65c, 250 for $1.50, 500 for $2.50, 1000 for $4.50.**

CHIVES Clumps of roots, by express **15c, doz $1.00,** by mail, **add 10c;** see clump.

EGG PLANT Ready about May 15th, Black Beauty and New York Purple Improved.

PEPPER Ready about May 15th; Vaughan's Sweet Mountain, Magnum Dulce, Ruby King and Cayenne.

2-inch pot plants (by express at buyer's expense) **doz 60c, 25 for $1.10, 100 $4.00.**

Transplanted plants from flats, **doz 35c, 25 for 60c, 50 for $1.10** prepaid. By express, **doz 30c, 100 for $2.00.**

SWEET POTATOES Ready about May 20th, Yellow Nansemond and Red Jersey Plants, **doz 20c, 50 for 65c, 100 for $1.00,** postpaid. By express, **doz 15c, 50 for 50c, 100 for 75c, 250 for $1.50, 1000 for $4.00**

TOMATO Ready about May 15th. The following varieties: Earliana, Bonnie Best, Dwarf Champion, Dwarf Stone, Acme, Beauty, New Stone, New Globe, Tall Champion, Ponderosa and Yellow Plum.

Prices See opposite for sizes—2-inch pot plants, sent by express (at buyer's expense), **doz 50c, 25 for 85c, 100 for $3.00.** Transplanted plants from flats, **doz 30c, 25 for 55c,** postpaid. By express, **doz 25c, 50 for 90c. 100 for $1.75, 1000 for $15.00.** Seedlings from the hot beds, **doz 20c, 50 for 75c, 100 for $1.25,** postpaid. By express, **100 for $1.00, 1000 for $6.00.**

RHUBARB OR PIE PLANT ROOTS

These roots planted in good soil in the early spring will made a good growth, yielding stalks for the table the following spring.

CLUMPS, MAMMOTH VARIETY 15c, 25c, 50c and $1.00 each, according to the size. Sent by express at buyer's expense.

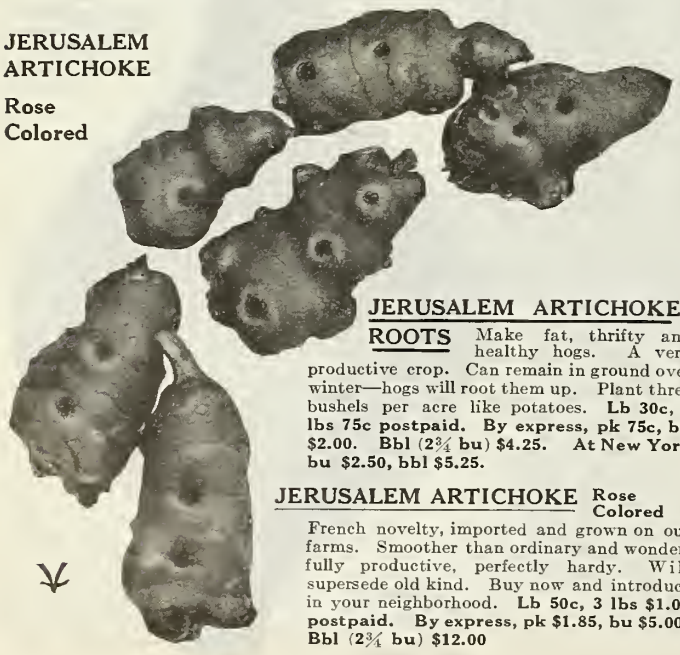
SEEDLINGS One year from seed, **each 10c, doz $1.00 postpaid.** By express, **$6.00 per 100.**

NAMED VARIETIES Chicago Giant, very heavy stalks. See description page 52. **Early Strawberry.** Sauce made from this variety has a pink color and a distinct strawberry flavor. Either sort, heavy clumps **$1.00.** Divided clumps, **each 45c by express.**

HORSE RADISH SETS—See Page 33.

JERUSALEM ARTICHOKE

Rose Colored

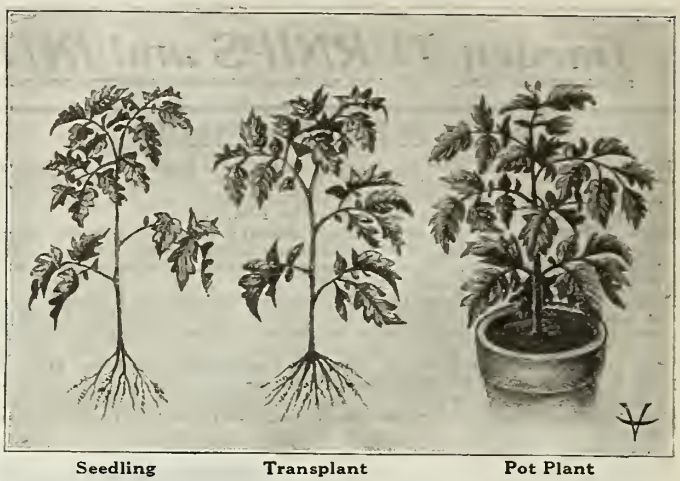


JERUSALEM ARTICHOKE

ROOTS Make fat, thrifty and healthy hogs. A very productive crop. Can remain in ground over winter—hogs will root them up. Plant three bushels per acre like potatoes. **Lb 30c, 3 lbs 75c postpaid. By express, pk 75c, bu $2.00. Bbl (2¾ bu) $4.25. At New York bu $2.50, bbl $5.25.**

JERUSALEM ARTICHOKE Rose Colored

French novelty, imported and grown on our farms. Smoother than ordinary and wonderfully productive, perfectly hardy. Will supersede old kind. Buy now and introduce in your neighborhood. **Lb 50c, 3 lbs $1.00 postpaid. By express, pk $1.85, bu $5.00. Bbl (2¾ bu) $12.00**



Seedling **Transplant** **Pot Plant**

TOMATO PLANTS

Repeated trials have shown that the pot plants offer many advantages over seedlings and transplants. They are more easily transported and nearly always produce larger and more fruit.

HOT BEDS AND SASH Grow your own plants. Complete hot bed box ten inches high front, sixteen inches rear, iron corner pieces. Two sash of four rows 8 inch glass, painted one coat, carefully packed **$15.75.** Also see page 153.
We can also quote larger sizes and sash glazed and unglazed. Write for prices.

HERBS

HOP ROOTS Plant early. **Doz 30c, by mail 35c.**

LAVENDER PLANTS Used for seasoning and perfumes. First size **15c each, doz $2.00 postpaid.** **3 for 40c, doz $1.50.** Second size **25c each,**

MINT Old fashioned, for flavoring, sauces, etc. See page 34.

ROSEMARY **15c each, doz $1.50.**

SAGE Holt's Mammoth. For seasoning and stuffing. Two-inch pot plants **each 15c, 3 for 40c, 7 for 50c. 12 plants for $1.00 by mail postpaid.**

THYME Used for seasoning. **15c each, doz $1.50.**

TARRAGON PLANTS For flavoring and vinegar. First size **15c each, doz $1.15.**

TREE SEEDS Evergreen seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, pear and locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 feet apart. **One-pound lots and less include postage; larger lots at buyer's expense.**

	Pkt	Oz	¼ lb	Lb
Apple, 10 lbs $5.50	$0.05	$0.10	$0.20	$0.60
Arbor Vitae, American	.10	.20	.65	2.50
Birch, White	.10	.15	.40	1.25
Box Elder (10 lbs $3.50)	.05	.10	.15	.40
Catalpa Speciosa (scarce)	.10	.30	.90	3.00
Catalpa Teas Hybrid, Japan	.10	.15	.35	1.10
Locust, Honey (5 lbs $1.25)	.05	.10	.15	.40
Locust, Black or White	.05	.10	.15	.40
Maple, Oregon Mammoth	.05	.10	.35	1.00
Mulberry, Russian	.10	.20	.60	2.00
Osage Orange (Ready in March)	.05	.15	.20	.75
Pear, French	.10	.20	.60	2.00
Pine, Scotch	.10	.20	.45	1.25
Spruce, Norway	.05	.15	.35	1.00

SMALL FRUIT SEEDS

These germinate slowly. Sow them early.

STRAWBERRY, BUSH ALPINE Grows in true bushy globular form with upright leaves. Can be used for borders. Fruits are perfectly true from seed. We offer both colors, red and white. Plants do not have runners. If sown early plants will bear the next year. Red or white, **pkt 10c, 1 pkt of each for 15c.**

STRAWBERRY SEED, MIXED Of several best kinds; new hybrid seed; may produce valuable sorts. **Pkt 15c, 2 for 25c.**

STRAWBERRY, BELLE DE MEAUX Pkt 15c, 2 for 25c.

RASPBERRY SEED Large fruited sorts, mixed. **Pkt 10c, oz 20c.**

CURRANT, RED Pkt 10c, oz 20c.

CURRANT, WHITE Pkt 10c, oz 25c.

CURRANT, BLACK Pkt 10c, oz 20c.

NEW EVERBEARING STRAWBERRY "LA PERLE" Large fruited **Pkt 20c, 3 pkts 50c.**

TOBACCO SEED

COMSTOCK'S SPANISH The favorite variety in the Wisconsin tobacco district. **Pkt 10c, oz 30c, ¼ lb $1.00, lb $3.50.**

PRIMUS Yields big crops of extra fine quality. **Pkt 10c, oz 25c, ¼ lb 65c lb $2.50.**

HARBY A Turkish variety; stands heat and drought. **Pkt 10c, oz 30c, ¼ lb 90c, lb $3.00.**

BRAZILIAN-AMERICAN Finest Brazilian strain. **Pkt 10c, oz 30c, ¼ lb 90c, lb $3.25.**

BIG HAVANA A hybrid Havana or Cuban seed leaf. **Pkt 10c oz 25c, ¼ lb 65c, lb $2.50.**

GENERAL GRANT It produces leaves 44 inches long, of proportionate breadth, and matures its crop perfectly as far north as Duluth, Minn. **Pkt 10c, oz 30c, ¼ lb $1.00, lb $3.50.**

CONNECTICUT SEED LEAF Best adapted to the climate of the Middle and Northern states, as it is hardier and endures cold better than others. **Pkt 10c, oz 25c, ¼ lb 65c lb $2.50.**

BIG ORONOKO Has no equal for strips and dark wrappers. **Pkt 10c, oz 25c, ¼ lb 65c, lb $2.50.**

ASTER—Giant Ostrich Feather

529 **VAUGHAN'S BEAUTY.** A splendid red sort, resembling the Victoria aster in shape and size of flowers. The color is the brightest red imaginable, with a satiny gloss — Pkt 10

CARLSON OR INVINCIBLE. The Early Branching Aster. The flowers are large and firm; the stems long and stiff, and the colors are decided and pleasing. The plants grow about 24 in. high and come into bloom about 10 days before the Giant Branching aster.

530	**White**	533	**Lavender**	
531	**Daybreak Pink**	534	**Violet Blue**	
532	**Rose Pink**			

Each of the above ⅛ oz 25c — 10

535 **All Colors Mixed** ⅛ oz 20c — 10

VAUGHAN'S GIANT BRANCHING

Beautiful asters for cut-flowers. Quite different in several respects from any other aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long, stiff stems, and the colors clear and handsome.

540	**White**	543	**Crimson**	
541	**Flesh Pink**	544	**Lavender**	
542	**Rose Pink**	545	**Purple**	

Each of the above ⅛ oz 25c — 10

546 **All Colors Mixed** ⅛ oz 20c — 10

ASTERS

This grand old fall favorite of our grandmother's garden still continues to beautify our garden. By gradual selection this plant now blooms from early summer until frost and its usefulness as a cut-flower is unlimited. Our seed is produced by our own growers from stock seed especially selected and controlled by us.

Culture: Sow either in the open ground in May or in March or April in cold frame, spent hot-beds or pots or boxes in the house, covering the seed with about ¼ in. of good rich soil; when the plants are strong enough, transplant about 18 in. apart in deeply dug, well prepared beds. Asters must not be planted in freshly manured soil nor in soil that has been planted to asters for two or three years previous. Unslacked lime or fresh wood ashes are beneficial if stirred in the soil a little before planting and are said to counteract the ravages of the aster blight. A few soakings with tobacco water around the roots during the growing season is also recommended.

TALL SECTION 16 in. and up.

SMITH'S PEERLESS

This strain, a selection of the Giant Branching, is without reservation the finest aster for cut flower purposes we have ever seen. The style and substance of the flowers and formation of the plant outclassed all other asters grown for comparative test in our Trial Grounds this season. The stems are long and wiry, the flowers of great depth and densely petaled and even a full blown flower never exhibited the yellow disk. Pkt

547 **White** — 25 — 548 **Pink** — 25

GIANT BRANCHING COMET

It is extremely free-flowering. The plant produces quite three times as many flowers as either the Comet or the Branching variety. The form of the flower is absolutely faultless, remaining full centered without any sign of yellow eye.

549 **Pure White** 550 **Light Pink** 551 **Rose Pink**

Each of the above — 10

UPRIGHT BRANCHING

This type grows, as its name indicates, upright, not spreading, and therefore permits of close planting. Flowers are very large and double, and the stems up to 20 in. long.

555 **White** 556 **Rose Giant** 557 **Purple**

Each of the above ⅛ oz 25c — 10

560 **HERCULES White** The plants throw very strong stems, which begin branching about 4 in. from the ground and bear at the summit the main central flower, while the side shoots carry 4 to 6 secondary blooms. Flowers are borne on remarkably strong stalks, pure white, with long petals — 15

VAUGHAN'S GIANT OSTRICH FEATHER

The finest type of the Giant Comet, or Ostrich Feather type of aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

563	**White**	567	**Crimson**	
564	**The Bride** White changing to pink			
565	**Soft Pink**	568	**Silvery Lilac**	
566	**Rose**	569	**Blue**	

Each of the above ⅛ oz 30c — 10

THE KING

The habit is similar to the popular Giant Branching, vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

575 **Rose** — 15 — 576 **Violet** — 10

☞ THE FOLLOWING SIGNS have been employed in these pages to distinguish the class to which the varieties so prefixed belong

⊙ ***Annuals*** These attain full growth from seed, flower and die the first year.

☉ ***Biennials*** These grow from seed the first year, bloom and die next, though some varieties bloom the first year if sown early.

⌙ ***Greenhouse Plants*** Start inside and cultivate in pots or else transplant outside when all danger of frost is over.

♃ ***Perennials*** These last for several years, blooming annually after the first season, though some varieties bloom the first year if sown early.

⌓ ***Stove Plants*** To be grown inside all year. For pots only.

§ ***Climbing Plants*** Climbers.

ASTER—Giant Comet

ASTER—Queen of The Market

ASTER—The Royal

ASTERS—TALL SECTION 16 inches and up—CONTINUED

THE ROYAL

Pkt

A new class of American aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. A medium early bloomer.

578 **White**..... 579 **Rose Pink**..... 580 **Purple**.. 10
Each of the above..... 10

"SOLEIL D'OR" (Golden Sun)

581 This is the best yellow aster. The flowers are of good size, they are borne on long stems; the color is a pleasing light yellow. This variety was much admired in our Trial Ground the past season..... 15

VAUGHAN'S IMPROVED PEONY PERFECTION

One of the handsomest sorts; flowers are borne on long wiry stems, are very large, 3 to 4 in. in diameter, very double, in shape like a peony. The petals incurve and give the flowers a ball like appearance. This is especially true during the early flowering season. Mid-season to late flowering.

588 **Pure White**..... 595 **Gravelotte** Blood-red
589 **Sunlight** Yellow..... 596 **Amethyst**.....
590 **Daybreak** Pink..... 597 **Lavender**.....
591 **Pink and White**..... 598 **Dark Blue**.....
592 **Brilliant Rose**..... 599 **Shining Blue Black**.
594 **Brilliant Scarlet**.....
Each of the above.....⅛ oz. 25c.. 10

600 **All Colors Mixed**.....⅛ oz 20c.. 10
601 **Imported Collections** 12 Varieties..... 50
602 **Imported Collections** 6 Varieties..... 25
605 **White Asters in Mixture** Composed of all the tall growing white sorts.....⅛ oz 25c.. 10
620 **Asters Tall Mixture, All Classes and Colors**. ¼ oz 15c.. 5

SEMI-TALL SECTION 11 in. to 16 in.

GIANT COMET

This giant class is an improvement on the old and inferior Comet class, not only in bearing much larger flowers, but the petals are longer and broader.

455 **White**..... 461 **Carmine**.....
456 **Sulphur Yellow**..... 462 **Crimson**.....
459 **Salmon Rose**..... 463 **Lavender**.....
460 **Rose**..... 464 **Dark Blue**.....
Each of the above.....¼ oz 40c; ⅛ oz 25c 10
465 **All Colors Mixed**.....¼ oz 35c; ⅛ oz 20c.. 10

CHRISTMAS TREE

Pkt

A new class of pyramidal habit, very free flowering.

466 **White**..... 467 **Rose**..... 468 **Dark Scarlet**..
Each of the above..... 10

DAYBREAK

The Daybreak class forms strong bushy plants of very even growth. The full round flowers grow on strong, stiff upright stems. Extremely valuable for bedding.

470 **Purity** Pure white..... 10 472 **Lavender**..... 10
471 **Daybreak** Shell-pink..... 10
473 **June Flowering White** This is larger, earlier and better than "Queen of the Market White." It blooms fully one week earlier. Very double and pure white..... 15

MIKADO

The Mikado belongs to the Comet class. Petals are narrow, very long and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl each other in such magnificent disorder as to make the fluffiest aster we have ever seen.

480 **White**..... 15
481 **Pink Rochester** Exquisite shade of shell pink. The official flower of the city of Rochester, New York..... 15

QUEEN OF THE MARKET

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful spreading habit.

485 **White**..... 488 **Crimson**..... 490 **Silvery Lilac.**
486 **Flesh**..... 489 **Scarlet**..... 491 **Dark Lilac**..
487 **Pink**.....
Each of the above.....¼ oz. 25c.. 10
492 **All Colors Mixed**.....¼ oz. 20c.. 10

VAUGHAN'S IMPROVED VICTORIA

Undoubtedly one of the most handsome asters in cultivation, and we have an excellent strain of it. Flowers are large, perfectly double, globular and imbricated; plants are of fine pyramidal form, an effective bedding variety.

500 **White**..... 505 **Scarlet**.....
501 **Miss Roosevelt** Primrose changing to flesh.....
503 **Pink**..... 507 **Light Blue**.....
504 **Crimson**..... 508 **Dark Blue**.....
Each of the above.....⅛ oz. 50c.. 10
510 **All Colors Mixed**.....⅛ oz 35c.. 10
511 **Imported Collection 12 Varieties**..... 60
512 **Imported Collection 6 Varieties**..... 30

CREGO

This flower is giant in size, many blossoms six inches across. The petals are nearly double the length of the older varieties and are twisted and curled into a very fluffy effect.

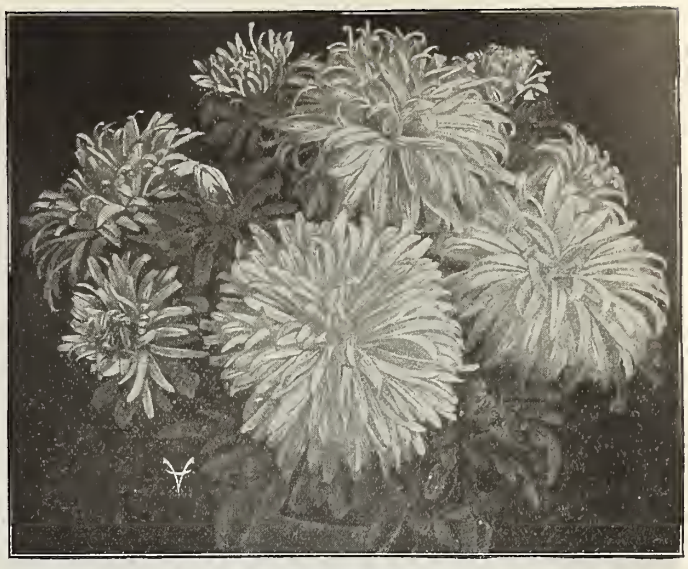
515 **White**.....516 **Shell Pink**.....517 **Rose Pink**.....
Each of the above..... 20

VAUGHAN'S EXCELSIOR MIXTURE OF TALL ASTERS

VAUGHAN'S SPECIAL

625 This is a mixture of the most beautiful, striking and distinct colors of all the tall growing asters. Selected from the cream of the tall varieties and others especially purchased for this mixture. This is the finest mixture of **Tall Asters** in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly Excelsior strain. ⅛ oz 50c; extra large pkt 25c, pkt 15c.

ASTER—Vaughan's Snowball



ASTER—Comet

ASTERS DWARF SECTION up to 10 inches—CONTINUED

400 **Vaughan's Little Gem** Neat bushes covered with flowers of the most charming combination of pink and white. A clump or row of them will form a pleasing spot in the garden. Pkt 10

401 **Vaughan's Snowball** The best dwarf white aster. The beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequaled in any other dwarf aster. ⅛ oz 40c 15

402 **Vaughan's Fire Ball.** The most brilliant dwarf aster. It forms a neat well-formed bush, covered with beautifully shaped flowers of the brightest scarlet; very effective for bedding and for pots ⅛ oz 40c.. 15

403 **Vaughan's Pink Pompon** The best dwarf pink aster, in every respect like the Snowball, except the color, which is the most brilliant satiny rose, turning lighter toward the edges of the flowers ⅛ oz 40c.. 15

404 **GLORIA or Buttonhole** Very branching and free blooming. The flowers, 1½in. in diameter, are pure white, with a beautiful scarlet margin. It is the prettiest aster we know of for buttonhole wear or small vases. The flowers last for a day in the hottest weather when worn in the buttonhole.. 15

405 **PIGMY Mixed** Pretty plants of handsome form, completely covered with flowers, each plant forming a neat bouquet Flowers are of the most distinct and delicate shades ⅛ oz 25c.. Pkt 10

DWARF QUEEN

This splendid Aster makes low, compact, bushy plants, which produce a great number of double, extra large flowers like the Victoria aster 3 in. across. Excellent for bedding and for pots.

410 **White** 10 — 413 **Light Blue** 10
411 **Pink** 10 — 414 **Dark Blue** 10
412 **Crimson** 10 — 415 **All Colors Mixed** 10

DWARF CHRYSANTHEMUM FLOWERED

Of very compact growth; 3½-in. flowers; free flowering and later than other varieties, therefore valuable for succession.

418 **White** — 423 **Light Blue**
420 **Rose** — 424 **Dark Blue**
422 **Scarlet**
Each of the above ⅛ oz 30c.. 10

425 **All Colors Mixed** ⅛ oz 25c.. 10

520 **Dwarf Asters Mixed, All Classes and Colors** ⅛ oz 20c.. 5

VAUGHAN'S EXCELSIOR MIXTURE OF DWARF ASTERS

525 Many of our customers find it difficult to choose among the strains of all dwarf asters, and where exact heights are not required we recommend planting our **Excelsior Mixture.** It is comprised of the most distinct and desirable colors of the different classes of dwarf asters and many others not listed especially selected for this mixture, insuring satisfaction to the grower ⅛ oz 50c; extra large pkt, 25c.. 15

SINGLE ELEGANCE or MARGUERITE ASTER

Best single aster. Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 in. in diameter, with small yellow centers, and last a week when cut. Pkt

526 **White** 527 **Lavender** 528 **Dark Blue**
Each of the above 10

ASTER 2ℓ HARDY ALPINE MIXTURE

650 Sow the seed early, and they will bloom profusely during the entire fall, and make plants that will bear hundreds of flowers year after year. The flowers are bright and very beautiful; many are deep blue with yellow center 15 Pkt

VAUGHAN'S GENERAL FLOWER SEED LIST

50 **ABOBRA Viridiflora** 2ℓ § 15 ft. A rapid growing climbing gourd with scarlet, cherry-like fruit and dark green foliage.. 10 Pkt

55 **ABRONIA Umbellata Grandiflora** ⊙ 6 in. Very pretty trailing Sand Verbena, with numerous clusters of sweet scented rosy-lilac flowers. Does well in poor soil. 1oz 15c.. 5

58 **ABRUS Precatorius** ⌓ § 12 ft. Beautiful prayer beans. Seeds resemble coral beads; may be used for necklaces. Soak seed in warm water before sowing 1 oz 15c.. 5

62 **ABUTILON Royal Prize** ⌒ 3 to 4 ft. Flowering Maple. Beautiful little bushes covered with bell-shaped flowers dotted and veined 15

63 **Good Mixed** 10

70 **ACACIA Lophanta Speciosa** ⌒ 6 ft. Handsome greenhouse shrub. Yellow flowers and feathery foliage. Soak seed in warm water before sowing 10 Pkt

71 **Mixed** 1 oz 20c.. 5

76 **ACANTHUS Latifolius** 2ℓ 3 ft. Handsome decorative plant, broad deeply cut foliage; beautiful for solitary plants in lawn or for grouping with other plants 1 oz 15c.. 10

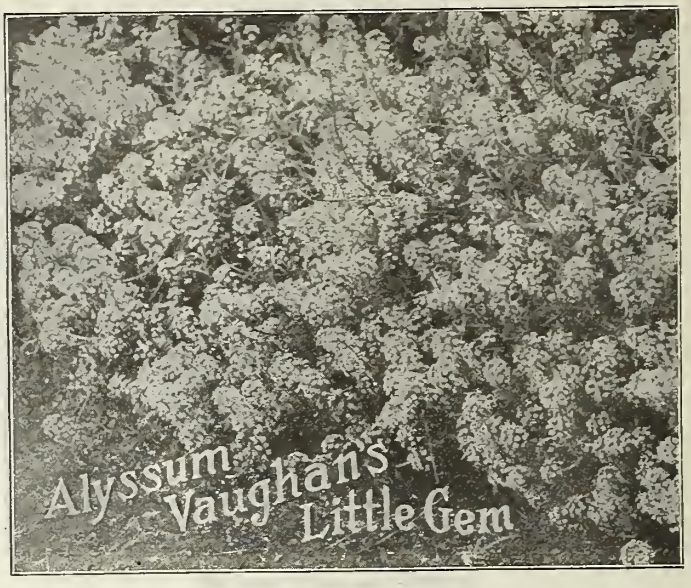
77 **Mollis** 2 ft. Similar to the above; more graceful. 1 oz 15c.. 10

82 **ACHILLEA The Pearl** 2ℓ 3 ft. From spring until frost covered with heads of purest white flowers; very double. Useful for cut flowers. Sow seeds early 10

86 **ACONITUM Napellus** 2ℓ 3 ft. Monkshood. Long spikes of curiously shaped blue flowers. Plant in shrubbery or shady places of the garden. Seeds germinate slowly.. ¼ oz 25c.. 5

87 **Napellus Flore Albo** White 10

AGERATUM—Blue Perfection



92 **ACROCLINIUM Roseum** ⊙ 2 ft. A pretty Everlasting, bearing lovely rose pink flowers, which, when cut in the bud state, can be dried and used for winter bouquets. Pkt 5

93 **Roseum Flore Albo** White. ¼ oz 10c.. 5

94 **Mixed** ¼ oz 15c.. 5

100 **ADENOPHORA Potaninii** 2ℓ 18 in. Light blue bell-shaped flowers produced on slender spikes in July and August.... 10

105 **ADLUMIA Cirrhosa** 2ℓ § 15 ft. Known as the Allegheny Vine. The feathery foliage is like the Maidenhair Fern. The flowers are tube-shaped, delicate rose pink and white, and cover the plant. For covering trellises, stumps of trees, etc., it is very desirable.... 10

108 **ADONIS Aestivalis** ⊙ 1 ft. Flos Adonis. Pretty little plant with feathery fresh green foliage, dotted with innumerable small blood-red flowers. 1 oz 10c.. 5

110 **Vernalis** 2ℓ 18 in. Flowers of bright yellow.. ½ oz 15c.. 5

115 **AGAPANTHUS Umbellatus** ⌓ 1 ft. Blue Lily of the Nile.. 10

120 **AGATHEA Coelestis** 2ℓ 1 ft. Blue Daisy. Sky blue flowers with yellow disk. Fine winter bloomer.... 10

AGERATUM ⊙

One of the best summer blooming plants grown from seed. They are rapid growers, early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 inches apart and they soon make a low mass of charming blue or white.

121 **Mexicanum Coeruleum** 18 in. Blue. ¼ oz 10c.. 5

122 **Album** White. ¼ oz 10c.. 5

123 **Mixed** ¼ oz 10c.. 5

124 **Nanum Blue Perfection** 9 in. The darkest Ageratum grown from seed. ¼ oz 25c.. 10

125 **Imperial Dwarf Blue.** 6 in. A good plant for the ribbon border. ⅛ oz 15c.. 5

126 **Imperial Dwarf White** ⅛ oz 15c.. 5

127 **Little Blue Star** 4 to 5 in. A handsome variety, different from all other dwarf sorts. The tiny bushy plants are filled with clusters of flowers of light blue with dark red center, changing to pure light blue.... 15

128 **Princess Victoria Louise** 6 in. This is the prettiest of the dwarf Ageratums. It grows in dense bushy plants covered with lovely sky blue flowers with white centers.. 10

129 **Lasseauxi** 3 ft. Plants grow vigorously and produce their.. soft pink flowers the entire summer.... 10

135 **AGROSTEMMA Coeli** ⊙ 1 ft. Rose of Heaven. ½ oz 15c.. 5

136 **Flos Jovis** 2ℓ 1 ft. Beautiful pink flowers.. ½ oz 15c.. 5

139 **Coronaria Varieties Mixed** "Mullein Pink" 1 to 2 ft.. 5

Allegheny Vine see Adlumia.

150 **ALONSOA Warscewiczi** ⊙ 2 ft. A fine plant with orange scarlet flowers, suitable for bedding. A sunny spot should be chosen. Fine for cutting.... 10

ALYSSUM

Benthami Maritimum, Sweet Alyssum

159 This is one of the finest annuals we have and is beloved by many on account of its modest blossoms. It is pleasantly fragrant. It begins to bloom early in the season, and blooms until frost. It is a neat, thrifty, healthy grower and should be cultivated by every one who wants an all around good plant. Sow the seeds wherever the plants are to remain. If too thick, thin out. To prevent sowing too thickly mix the seed with sand before sowing. Pkt .....1 lb. $2.25; ¼ lb. 60c; 2 oz. 40c; 1 oz. 25c; ½ oz. 15c.. 5

Vaughan's Little Gem

160 This should really be called the "Snow-white carpet plant," for the plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful carpet spread over the ground. We know of no other flower which is so particularly well adapted for borders, ribbons, etc., as our "Little Gem" Alyssum. The plants commence to bloom when quite small, and will flower all summer long until late in the fall. This habit, with its fragrance, makes it indispensable. 1 oz. 75c; ½ oz. 40c; ¼ oz. 25c.... 10

164 **Saxatile-Basket of Gold** 2ℓ 12 in. Flowers brilliant golden yellow, completely hiding the foliage. Desirable for rock work and quite showy in masses.... ¼ oz 15c.. 5

AMARANTHUS ⊙

Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the centers of large beds. Do not grow them too closely together, but give them sufficient room to develop.

170 **Atropurpureus** 4 ft. Beautiful dark purple flowers.... 5

171 **Caudatus** 3 ft. Love lies bleeding. Blood red, drooping. 5

172 **Salicifolius** 3 ft. Willow leaved. Graceful red and yellow foliage of drooping habit.... 5

173 **Tricolor Splendens-Joseph's Coat** 2½ ft. The inner foliage is of blackest bronze, tipped with green, while the outer foliage is bright scarlet and gold. The colors are especially brilliant if grown in poor soil.... 5

180 **Fine Mixed.** All the above and many others. 1 oz. 25c.. 5

190 **AMBROSIA Mexicana** ⊙ 2 ft. Very curious, long spiral stems, bearing an abundance of small round greenish yellow buds and blossoms which are exceedingly fragrant.... 10

194 **AMMOBIUM Alatum Grandiflorum** ⊙ 2½ ft. This pretty white Everlasting should be in every garden. Grows in sandy soil. ½ oz 15c.. 5

198 **AMPELOPSIS Veitchi** 2ℓ § The well-known Boston Ivy. See description on plant pages. ½ oz 15c.. 5

200 **ANAGALLIS Grandiflora Mixed** ⊙ 6 in. Bushy plants, rich Browallia-like flowers 1 in. across, ...⅛ oz 10c.. 5

205 **ANCHUSA Capensis** ⊙ 2 ft. Cape Forgetmenot. A rare and little known annual of great beauty which will thrive where scarcely anything else will grow, ...½ oz 20c.. 5

206 **Italica Grandiflora, Dropmore Variety.** Stems covered from May to August with numerous wide star flowers of intense blue, of great decorative effect in beds or borders.. 25

ANTIRRHINUM—Snapdragon

ANTIRRHINUM MAJUS GRANDIFLORUM ⊙ 18 in.
Giant Fragrant Snapdragon

The flowers of this new strain are of very large size, are very fragrant and are produced on immense long spikes, which render them extremely well adapted for cut-flowers. They are easily raised from seed in any rich sunny bed. Spring-seedlings bloom by midsummer, and if the flowers are cut freely the flowering is continuous till Fall. If intended for winter flowering in the house, cut them well back in September. The Snapdragon, like most perennials and biennials which bloom the first year, is treated like an annual and sown every year. Pkt

241 **Queen Victoria** 3 ft. The best tall growing white..... 10
242 **Luteum, Golden King**..... 10
243 **Lovely** Delicate rose with pink lip..... 10
244 **Delicata** Daybreak Pink..... 10
245 **Brilliant Rose**..... 10
246 **Coral Red,** I ark Rose..... 10
247 **Delila,** carmine and yellow with white throat..... 10
248 **Brilliant** Scarlet..... 10
249 **Butterfly** Striped..... 10
250 **Firefly** Scarlet and White..... 10

260 VAUGHAN'S SPECIAL **Vaughan's Special Mixture** of Giant Snapdragons includes all the above and many others, ...1 oz. $1.25; ¼ oz. 45c; ⅛ oz. 25c.. 15
261 **Majus** Tall sorts mixed, ...1 oz. 40c; ¼ oz. 15c.. 5

MAJUS NANUM, Dwarf Sorts

265 **Snow Queen** 8 in. Splendid for pots and edging. Beautiful white flowers all summer..... 10
266 **Queen of the North** 12 in. Handsome, regular bushes covered with large white flowers, deliciously sweet..... 10
267 **Aurora** A very striking color, cinnabar-scarlet with a white throat, a most pleasing and lively contrast..... 10
268 **Fireball** 15 in. The color is the most dazzling scarlet. 10
269 **Black Prince**..... 10
270 **Dwarf Sorts Mixed**.....¼ oz 20c 5

ANEMONE Wind Flower 2ɻ

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Fine for bouquets. Pkt

210 **Coronaria Mixed Colors** 10 in. (Poppy Anemone).... 5
211 **Coronaria St. Brigid's Strain.** Double and Single Mixed 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors..... 15
212 **Pulsatilla** 10 in. Blooms in May. Flowers violet or purple; fine for rockery..... 10
213 **Sylvestris** 1½ ft. One of the most satisfactory for the border; flowers large, cup-shaped, pure white..... 10
225 **ANTHEMIS Kelwayi** 2ɻ 2 ft. A most satisfactory plant, bearing all summer, daisy-like golden-yellow blossoms, excellent for cutting..... 10
228 **ANTIGONON Leptopus** ⌓ § Mexican Mountain Rose. 5

AQUILEGIA 2ɻ Columbine

Charming hardy plants, bearing in countless numbers through May and June exquisite clear blue, white, rose, yellow, purple and striped blossoms. For planting in permanent borders or edges of shrubbery this old-fashioned favorite is one of the best. They thrive well with ordinary garden culture, but such sorts as A. Chrysantha and A. Coerulea do best in partially shaded nooks. Few hardy perennials are so easily grown from seed.

310 **Canadensis** 18 in. Scarlet and yellow.....⅛ oz 15c.. 5
312 **Chrysantha** 3 ft. Golden yellow, long spurred ⅛ oz 15c.. 10
313 **Chrysantha Fl. Pl** 3 ft. Double golden yellow flowers.. 15
314 **Chrysantha Grandiflora Alba** 3 ft. White spurred columbine. Large flowering, pure white, long spurs.... 10
320 **Coerulea** Rocky Mountain Columbine, 3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white.....⅛ oz 25c.. 10
321 **Coerulea Hybrida** 2½ ft. Haylodgensis. Large flowers, long spurred hybrids.....⅛ oz 30c.. 10
322 **Coerulea Rosea Rose Queen** 2½ ft. The plants produce on long slender stalks in great profusion, beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate and beautiful combination of colors.... 15
326 **Glandulosa Vera** 2 ft. Sometimes has 50 blossoms over 3 in. in diameter, of the deepest blue, with pure white corolla 10
327 **Helenae** 2 ft. The flower stalks bear large flowers of rich deep blue with a white corolla..... 10
328 **Nivea Grandiflora** 15 in. Large pure white..... 5
329 **Vervaeneana Atroviolacea Plenissima** Double violet 5
333 **Vulgaris Alba Plena** 2 ft. Double white flowers, fine for cutting and the wild garden.....¼ oz 15c.. 5
334 **Vulgaris Single Mixed** Many varieties.....¼ oz 10c.. 5
335 **Vulgaris Double Mixed**.....¼ oz 15c.. 5
340 VAUGHAN'S SPECIAL **Vaughan's Special Mixture** Includes all the above mentioned varieties and will produce a magnificent bed of these desirable hardy plants..... 25

351 **ARABIS Alpina** 2ɻ 6 in. One of the earliest flowers to bloom in the spring. The flowers resemble Sweet Alyssum, are deliciously fragrant and completely cover the plant. Fine for rock work.....1 oz 80c, ¼ oz 25c.. 5

355 **ARCTOTIS Grandis** ⊙ 2 ft. A handsome annual from Africa, growing luxuriantly and forming profusely branched bushes. Its flower heads, borne on long stems, are 3 in. across, pure white on the upper surface, reverse of petals being pale lilac..... 10

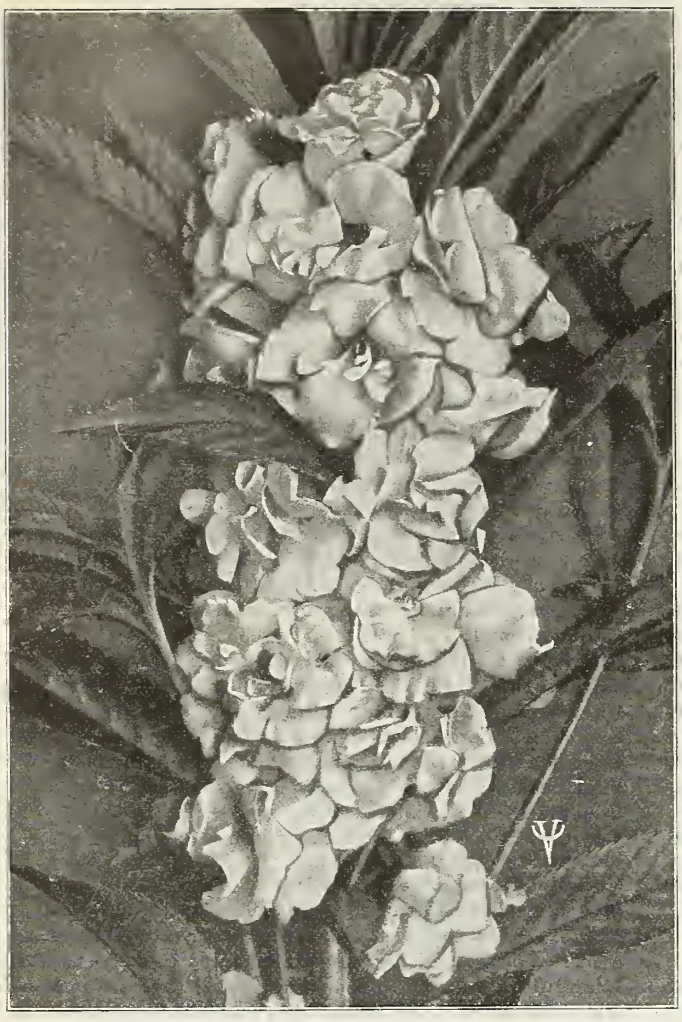
360 **ARISTOLOCHIA Sipho—Dutchman's Pipe** 2ɻ § 30 ft. A noble foliage plant, and when trained against a house or trellis, the effect is matchless. Its small flowers resemble the "Pitcher Plant".....30 seeds.. 10

365 **ARMERIA Formosa** 2ɻ 16 in. A very pretty edging plant bearing large tufts of rosy pink flowers nearly all summer.. 10

366 **Maritima** 10 in..... 5

370 **ARTEMISIA Annua** ⊙ 5 to 6 ft. Ornamental foliage plant. 5

376 **ASCLEPIAS Tuberosa** 2ɻ 2 ft. One of the showiest of our native perennials and producing from July until frost compact umbels of brilliant orange flowers..... 10



BALSAM—Vaughan's Invincible Mixture

384 **ASPARAGUS Plumosus Nanus** ⌓ 3 ft. Lace fern. Most popular house plant today. The bright green sprays surpass the Maiden-hair fern in grace and delicacy of texture. The hard seed need soaking and bottom heat to sprout them. Vaughan's Greenhouse grown seeds of this are most reliable. 100 seeds $1.00; 50 seeds 60c; 25 seeds 35c; 7 seeds ..... Pkt 10

385 **Sprengeri** ⌓ Excellent for hanging baskets, 100 seeds, 40c; 50 seeds 25c; 15 seeds 10

389 **ASPERULA Azurea Setosa** ⊙ 1 ft. Pretty sweet scented annual with light blue flowers 5

390 **Odorata** 2′ 6 in. Waldmeister. Grown for its fragrant leaves and stems, which when dried have a sweet odor and are used for putting among clothes, etc.; also used to flavor the May wine. Best grown among shrubbery, in semi-shaded positions where it can remain undisturbed 10

Bachelor's Button See Centaurea Cyanus.

660 **BALLOON VINE** ⊙ § 10 ft. Thrives in light soil. One of the prettiest climbers. Remarkable for its inflated membranous capsules containing the seed. It is sometimes called Love in a Puff. Flowers white ..... 1 oz 20c.. 5

661 **BALSAM Apple and Pear Mixed** ⊙ § 10 ft. Very curious rapid and dense climbers, with ornamental foliage and golden yellow fruit, which open when ripe, showing the seed and the blood-red interior ..... 1 oz 35c.. 5

DOUBLE BALSAMS—Lady Slipper ⊙ 1½ to 2 ft.

Balsams like the hot sun, rich soil and plenty of water. For perfect development the plant should be set from 12 to 18 in. apart. Only best quality seed should be sown. Transplanting two or three times has the tendency to dwarf the plants into better shape and to make the flowers more double.

675 **Alba Perfecta** Extremely double, very large, and of the true camellia shape, in fact, might be called miniature white camellia ..... ⅛ oz 15c.. Pkt 5

DOUBLE BALSAMS—Continued

676 **Lemon Yellow** ..... ⅛ oz 15c.. Pkt 5
677 **Flesh Pink** ..... ⅛ oz 15c.. 5
678 **The Queen** Satiny rose ..... ⅛ oz 15c.. 5
679 **Prince Bismarck** Salmon pink ..... ⅛ oz 15c.. 5
680 **Crimson** ..... ⅛ oz 15c.. 5
681 **Crimson Spotted** ..... ⅛ oz 15c.. 5
682 **The King** Brilliant scarlet ..... ⅛ oz 15c.. 5
683 **Atrosanguinea Plena** Flowers and leaves dark red. 5
684 **Solferino** Striped lilac, white and scarlet ..... ⅛ oz 15c.. 5
685 **Lilac** ..... ⅛ oz 15c.. 5
686 **Dark Blue** ..... ⅛ oz 15c.. 5
689 **Double Rose and Camellia Flowered Mixed** ½ oz 25c.. 5
690 **Vaughan's Invincible Balsams Mixed** Like all of Vaughan's Special Mixtures, this is made from separate colors and choice strains and includes everything that is desirable in balsams ..... ¼ oz 35c.. 10
691 **Dwarf Balsams Mixed** 8 in. These are very useful for borders; the plants make perfect little bushes with flowers that are double and semi-double and the colors are very pretty and pleasing ..... ¼ oz 25c.. 5
695 **BAPTISIA Australis** 2′ 2 ft. False Indigo. Beautiful light blue flowers appearing in midsummer ..... 1 oz 30c.. 5
696 **BARTONIA Aurea** ⊙ 12 in. A pretty flowering plant of the Gentian family and somewhat like a wild rose in appearance. Producing a profusion of fine, bright metallic yellow blossoms ..... ½ oz 15c.. 5

BEGONIA ⌓ ⌓ 8 to 12 in.

700 **Single Tuberous-Rooted Mixed** Of great value for summer decorating or window gardening, blooming the first season from seed, if sown in January or March in a temperature of 60 degrees. To secure the best results they should be planted in a partially shaded place. 20
701 **Double Tuberous-Rooted Mixed** Flowers of elegant form and substance 25
702 **Frilled Tuberous-Rooted** Our Seed has been saved from selected, best frilled flowers, carefully hybridized and will produce magnificent flowers in all shades 25

Everblooming Bedding Varieties

The following varieties take rank as bedding plants with geraniums and coleus, doing as well in full sunshine, as in partial or whole shade. They are of sturdy growth, forming dense bushes, which are completely hidden with flowers the entire season. As pot plants for winter flowering they are superb. Easily raised from seed.

705 **Erfordia** A very pretty variety, densely covered with handsome flowers of a delicate rose color 15
706 **Gracilis Luminosa** With large bright scarlet flowers and magnificent satiny brown-red foliage 20
707 **Gracilis Prima Donna** large carmine-rose flowers, habit strong and branching 25
708 **Semperflorens Alba** 10
709 **Semperflorens Atropurpurea Vernon** Bright orange carmine flowers, deep red foliage 10
710 **Berna** The foliage of this fine Begonia is very dark, flowers rather large for the semperflorens type and are of a bright carmine-red 15
711 **Lubeca Red** The plants are of compact growth. The flowers are a brilliant carmine-red and are borne freely above the red-brown foliage 20
712 **Rex** ⌓ Ornamental leaved in splendid mixture ..250 seeds 30

BELLIS PERENNIS Fl. Pl. 2′ ⊙ Double Daisy. 6 to 8 in.

A low growing spring flowering plant, a companion to the pansy and forget-me-not. Loves a shady place and will reward the gardener with a mass of blossoms for succeeding years if left undisturbed. The poet's favorite.

720 **Snowball** Double pure white ..... ⅛ oz 50c.. 10
721 **Longfellow** Double dark pink ..... ⅛ oz 50c.. 10
722 **Double Good Mixture** ..... ⅛ oz 25c.. 5
723 **Mammoth White** Larger than Snowball 10
724 **Mammoth Pink** Larger than Longfellow 10
725 **Mammoth Mixed** 10
726 **Monstrosa White** Flowers frequently attain the size of zinnias. The flower stems are long and stiff and almost as thick as a pencil 15
727 **Monstrosa Pink** 15

CALENDULA—Pot Marigold

CALLIOPSIS—Tickseed

CAMPANULA—Canterbury Bells

730 **BIDENS Atrosanguinea** ⊙ 2½ ft. Miniature Black Dahlia, or Black Cosmos. Produces an abundance of crimson-maroon flowers of velvety texture 4 in. in diameter. Pkt 5

732 **BOCCONIA Japonica** 2ℓ 4 ft. Plume Poppy. Ornamental plant with cream color flowers, excellent for groups.... 5

BRACHYCOME Iberidifolia ⊙ 12 in. Swan River Daisy. Free flowering dwarf growing annuals, covered during the greater part of the summer with a profusion of pretty flowers.

737 **White**. ⅛ oz 10c 5 | 739 **Blue**..... ⅛ oz 10c.. 5
738 **Pink**... ⅛ oz 10c 5 | 740 **All Colors Mixed**. ⅛ oz 10c.. 5

744 **BRIZA Maxima** ⊙ 12 in. Quaking Grass. Valuable for winter bouquets and wreaths. The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion..... 5

745 **BROWALLIA Speciosa Major** Giant Blue ⊙ 1 ft. With large deep blue flowers, excellent for pot culture..... 15
746 **Elata Mixed**..... 5

748 **BRYONOPSIS Laciniosa** ⊙ § 10 ft. An ornamental climber of the gourd family, bearing green fruit which changes in color as the season advances to bright scarlet striped with white..... 5

750 **CACALIA Mixed** ⊙ 2 ft. Pretty free blooming plants with tassel-shaped flowers; called by some Devil's Paint Brush. 5

752 **CALAMPELIS Scaber** 2ℓ ⊙ § 6 ft. Pretty vine with orange-colored tube-shaped flowers..... 10

754 **CALANDRINIA Umbellata** ⊙ 6 in. Flowers dazzling magenta crimson ½ in. in diameter, produced all summer..... 10

755 **CALCEOLARIA Hybrida Grandiflora, Fine Mixed Pouchflower,** ⌒ 1½ ft. Our seed is saved from the best European collection and will produce flowers of large size and of an endless variety of color.....300 seeds.. 25

CALENDULA—Pot Marigold ⊙ 1 ft.

A perpetual bloomer, the flowers are oriental in color and exhibit every shade of yellow from ivory to deepest orange. Makes good cut-flowers and the dried blossoms may be used to flavor soups and stews.

766 **Officinalis Grandiflora Flore Pleno Orange King** The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color rich, dark orange.....½ oz 10c.. 5

767 **Officinalis Sulphurea Flore Pleno, Sulphur Queen** 5

768 **Officinalis Meteor Flore Pleno** Striped....½ oz 10c.. 5

769 **Pongei Flore Pleno** Double white..... 5

770 **All Colors Mixed**.....½ oz 10c.. 5

California Poppy See Escholtzia.

CALLIOPSIS—Tickseed ⊙ 6 in. to 2 ft.

A quick growing annual. The flowers are placed on graceful wavy stems and in color run through all the shades of red and yellow; foliage dainty; useful combined with other flowers. Pkt

781 **Bicolor Nana, Golden Ray** 6 to 8 in. Flowers golden yellow with dark purplish-brown center. The edges of the leaflets are turned down..... 10

782 **Drummondi, Golden Wave** 2 ft. Flowers yellow with a circle of rich crimson-brown around the eye..¼ oz 10c.. 5

783 **Hybrida Superba** Forms dense bushes desirable for pots, groups and borders..... 10

784 **Radiata Tigrinia, Tiger Flower** 6 to 8 in. Flowers large reddish-brown, turning at the points golden-yellow. 10

785 **Dwarf Mixed**.....¼ oz 10c.. 5

790 **Double Mixed**.....¼ oz 10c.. 5

795 **All Sorts and Colors Mixed**.....lb. $1.20; 1 oz 15c.. 5

800 **Vaughan's Special Mixture.** This isthe most pleasing mixture offered. It contains all the desirable sorts and colors of these beautiful flowers. A great number of kinds have been especially selected for it and we know it will give entire satisfaction.....½ oz 30c.. 10

802 **CALLIRHOE Involucrata Poppy Marrow** 2ℓ Large bright crimson flowers, trailing habit, adapts itself to rock work.. 10

CAMPANULA—Medium Canterbury Bells ⊙3¼ ft.

Campanulas remain one of the prettiest of old garden plants. Their bell-shaped flowers in their delicate coloring make them the admiration of all.

816 **Single Mixed**.....⅛ oz 10c.. 5
818 **Double Mixed**.....⅛ oz 10c.. 5
820 **Double and Single Mixed**..... 5
821 **Calycanthema Mixed**..... 5
822 **White**..... 5 | 823 **Pink**..... 5
824 **Striped**..... 5 | 825 **Blue**..... 5
828 **Carpatica Hairbell** 2ℓ 9 in. Blue. Very pretty, low growing, free flowering..... 5
830 **Carpatica Alba** White..... 5
834 **Persicifolia Grandiflora Mixed**..... 10
835 **Pyramidalis Mixed** White and blue..... 10
836 **Vaughan's Special Mixture of Perennial Varieties** include all the above and many other desirable varieties not listed..... 25

838 **Speculum** ⊙ 10 in. Venus Looking Glass, fine for edging beds..... 5

840 **CANARY BIRD VINE** ⊙ § 15 to 20 ft. Clean, handsome foliage, with an abundance of bright canary-yellow blossoms; good rambler and fine for stumps, rockeries, etc.; excellent window vine for winter.....½ oz 15c.. 5

CANDYTUFT—Giant Hyacinth Flowered

CARNATION—Vaughan's Special Mixture

CANNA—Vaughan's Giant Flowered Mixture

CANDYTUFT ⊙

Pkt

Candytuft will grow anywhere under all conditions and flower all summer. Good for cut-flowers and borders.

845 **Giant Hyacinth-Flowered White** 1 ft. The flower heads are of immense size, 6 in. long and 3 in. across, resembling a Dutch Hyacinth.....1oz 40c; ½ oz 25c.. 10

846 **Odorata** 1 ft. Sweet scented white.2 oz 25c; 1 oz 15c.. 5

848 **Snowflake** 7 in. Extremely free-blooming kind. The plants form very neat, round bushes, covered with the finest pure white flowers.....¼ oz 20c.. 10

850 **Queen of Italy** 8 in. The plants form dwarf bushes which are covered with very large pink blooms.....½ oz 25c.. 10

852 **Umbellata Carminea** Carmine 5

854 **Umbellata Purpurea** Crimson..... 5

856 **Umbellata Lilacina** Lilac 5

860 **All Colors and Types Mixed**....1 lb. $1.00; ¼ lb. 35c; 1 oz 15c; ½ oz 10c..... 5

862 **Gibraltarica** 2′ Lilac shading off to white..... 10

864 **Sempervirens** 2′ Pure white..... 10

CANNA ⌒ 2½ to 8 ft.

900 **Giant-Flowered Mixed** Few people know these tropical plants can be easily grown from seed and bloom the first summer if sown before April. Pierce the seed in one spot with a file and soak in luke-warm water for 24 hours before sowing. Named cannas do not come true from seed, so we only offer the seed in mixture..1 oz 35c; ½ oz 20c.. 10

For roots and started plants see plant pages.

CARNATIONS ⊙ ⊙

The following will bloom from seed in 4 to 5 months:

910 **Chabaud Mixed** A remarkable strain raised by a Carnation specialist in southern France. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion..... 100 seeds.. 15

914 **Marie Chabaud** Pure canary yellow..... 50 seeds.. 25

916 **Gold Finch** Golden yellow scarlet marking.. 50 seeds.. 25

918 **Glowing Coal** Intense brilliant scarlet..... 50 seeds.. 25

920 **Guillaud Riviera Market** This fine Carnation has been obtained by careful selection from the Margaret. It will bloom the first summer, and if taken up in the fall the plants will bloom all winter.....100 seeds.. 25

925 **Giant of Nice** Plants are very free flowering, colors varied, splendid kind for cut-flowers because the stems are long and strong..... 25

930 **Giant Margaret Mixed** The flowers are very large size, measuring 3 in. or more in diameter; the colors include all the shades of white, pink, crimson and striped. The plants grow upright requiring hardly any support, and their yield of flowers is wonderful.....100 seeds.. 15

CARNATIONS—Continued

Pkt

931 **Giant Margaret White**..... 50 seeds.. 15

940 **Dwarf Margaret Mixed** A splendid strain for bedding purposes owing to its habit of growth.....100 seeds.. 10

950 **Margaret Double Mixed.** 956 **Margaret Pink**....

952 **Margaret White**..... 958 **Margaret Striped**..

954 **Margaret Yellow**..... 960 **Margaret Red**.....

Each of the above.....⅛ oz 30c.. 5

975 **Vaughan's Special Carnation Mixture** This is a mixture of the best strains of the Giant Margaret, Malmaison and everblooming Chabaud Carnations. The plant will bloom the first summer and will produce many flowers equal to the best florist's Carnation. The plants may be lifted in September, potted and will bloom all winter in the house..100 seeds 25

CARNATIONS ⊙ 2′

The following varieties will bloom the second summer from seed. Plants should be protected during the winter.

980 **Extra Choice Mixed** Saved from a rich collection of named flowers and will produce fine varieties..... 10

985 **Vienna Dwarf Mixed.** Produces very double sweet scented flowers in the largest variety of colors and in the greatest profusion.....⅛ oz 20c.. 10

990 **Fine Double Mixed** Sweet scented, large flowers. ⅛ oz 15c 5

995 **Grenadin Red** For yielding a quality of double red flowers there is no outdoor Carnation that can equal it.. 10

996 **Grenadin White**..... 10

Castor Beans See Ricinus.

998 **CATANANCHE Coerulea** 2′ Blue, Cupid's Dart..... 10

999 **CATANANCHE Coerulea Flore Albo** White..... 10

CELOSIA CRISTATA ⊙

Coxcomb Dwarf Varieties 8 in.

These plants are extremely valuable for formal bedding. The flowers appear in the shape of coxcombs, hence the name, out of a rosette of green or brown leaves.

1010 **Cristata Nana President Thiers** Crimson combs, dark leaves. Shown to its best advantage when combined with Golden Feverfew and Centaurea Candidissima 10

1012 **Fire King** Rich fiery orange scarlet..... 10

1014 **Empress** Blood red combs and brown foliage..... 10

1016 **Aurea** Golden yellow combs..... 10

1018 **Rosea** Pink combs..... 10

1020 **Dwarf Mixed** All the above and others.....⅛ oz 30c.. 10

Our cultural directions on Flower Seed Packets are careful and complete

CELOSIA—Plumosa

CENTAUREA—Bachelor Button

CHRYSANTHEMUM

CELOSIA—Tall Feathered Varieties 2½ to 3 ft.

These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage. Of easy culture. Pkt.

1022 **Plumosa Aurea** Orange ostrich plume..... 5
1024 **Plumosa Coccinea** Crimson ostrich plume..... 5
1025 **Plumosa Mixed**.....¼ oz 15c.. 5
1027 **Plumosa Pride of Castle Gould** Plants grow compact and pyramidal and produce immense flower heads, resembling willow plumes in many remarkable shades... 25
1030 **Plumosa Thompsoni Magnifica** A good strain of the Ostrich Plume Celosias.....¼ oz 25c.. 10
1035 **Cristata Tall Coxcomb Mixed**.....¼ oz 15c.. 5

1040 **CENTAUREA Americana Alba** ⊙ 2½ ft. Star Thistle. Grows to a large size in one season and the immense heads of double fluffy blooms are quite as showy in flower borders as Hollyhocks. Color almost pure white; ⅛ oz 35c.. 15
1042 **Americana Mixed** White and lilac.....⅛ oz 30c.. 10

CENTAUREA CYANUS ⊙ Bachelor Button 2 ft.

Known as Blue Bottle, Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty. Re-seeds itself and may be used for naturalizing purposes with the English Scarlet Field Poppy.

1045 **Blue Emperor** Single blue.....1 oz 15c; ½ oz 10c.. 5
1050 **All Colors Mixed**.....1 oz 15c; ½ oz 10c.. 5
1052 **Double Blue** Same shade as the Blue Emperor. Plant is more vigorous and the flowers semi-double and have a remarkable lasting quality when cut..... 10
1053 **Double Lawson Pink** A very pretty shade, semi-double flowers which make good cut flowers during their long season of bloom..... 10
1060 **Double Mixed**.....1 oz 25c; ½ oz 15c.. 5
1062 **Victoria** Dwarf, 9 in. For pots and edging. Azure blue 10

Centaurea Imperialis Giant Sweet Sultan 2½ ft.

Strong bushy plants, flowers fragrant, about twice the size of Centaurea Cyanus, ranging in colors from pure white through pink to purple.

1064 **White**..¼ oz 25c.. 10
1065 **Favorita** Brilliant Rose..... 10
1066 **Lilacina** Dark Lilac.... 10
1067 **Splendens** Purp. crims'n 10
1068 **Mixed**..... 5
1069 **Moschata Mixed** Sweet Sultan, white, red and blue. 5
1070 **Suaveolens** Yellow Sweet Sultan.1 oz 35c; ½ oz 20c.. 5
1075 **Vaughan's Special Mixture of Centaureas** Is composed of all the annual centaureas, and a packet will produce the loveliest cut flowers all summer.....1oz 50c; ½oz 30c 10

1078 **CENTAUREA Candidissima** 2 ⌓ 10 in. Thick silvery white leaves, used for bedding purposes..... 10
1080 **CENTAUREA Gymnocarpa, Dusty Miller** 1 ft. Foliage finely cut of silvery gray color, used for bedding.... 5
1082 **CENTROSEMA Grandiflora** ⊙ § ⌓ 10 ft. Pea-like flowers, purple and white..... Pkt 5
1084 **CHELONE Barbata Torreyi** 2 4 to 5 ft. Turtle Head. Excellent plant with long spikes of scarlet blossoms... 10
1085 **Hybrida Mixed**..... 10
1086 **Lyoni** 2 ft. Pretty, free flowering plants, preferring half shady moist situation. Flowers rosy purple in heads.... 10

CHRYSANTHEMUM
Annual Varieties 2 ft.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer flowering border plants, good for pot culture and quite distinct from the autumn flowering varieties.

1090 **Carinatum Eclipse** Yellow with scarlet ring and dark brown disk 5
1092 **Golden Feather** Foliage striking yellow; flower..... with a crimson ring near center..... 5
1094 **The Sultan** Crimson maroon..... 5
1095 **Silver Queen** 12 to 15 in. Flowers pure white with a zone of clear bright yellow overlaid with silver..... 10
1096 **Dunetti Album Plenum** Double white..... 5
1097 **Dunetti Aureum Plenum** Double golden yellow.. 5
1100 **Coronarium Double Fine Mixed**.....½ oz 15c.. 5
1102 **Inodorum Plenissimum Bridal Robe**..10in. Those sturdy little plants throw out their finely cut foliage from the base and deck themselves with a mantle of extra double pure white flowers..... 10
1105 **Segetum Gloira** Morning Star, 18 in. Primrose with golden yellow center..... 5
1108 **Segetum Helios** Evening Star. Golden yellow..... 5
1110 **Vaughan's Special Mixture of Annual Chrysanthemums** Single and double sorts in finest mixture, including many new varieties not catalogued above.....½ oz 25c.. 10

The following are valuable for winter-flowering in pots:

1112 **Frutescens** ⌓ Paris daisy or Marguerite. Large white star-shaped flowers..... 10
1114 **Chinese and Japanese Varieties Mixed** If the seed is sown in February or March, and properly treated, the plants will bloom profusely next fall.....100 seeds.. 15

Perennial Varieties 2 2 to 3 ft.

Perennial Chrysanthemums, especially the Shasta Daisies, have come to stay in our gardens. They are conspicuous in mixed beds or grown in front of shrubbery and as a cut flower are without equal. They are easily raised from seed and in our latitude are most successfully treated as a biennial.

1115 **Shasta Daisies, in Finest Mixture** All different types and shades of white.....⅛ oz 40c.. 10
1122 **Maximum** or Ox-Eyed Daisy. Pure white..¼ oz 15c.. 5
1124 **Uliginosum** (Pyrethrum) 3 to 4 ft. From July to September it is literally covered by a multitude of daisy-like white flowers..... 10

COBAEA—Scandens

CONVOLVULUS—Morning Glory

COSMOS

Pkt.

1125 **CINERARIA Vaughan's Columbian Mixture** ⌓ 18 in. This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 in. in circumference and of the most brilliant colors. A plant frequently seen in the city park conservatories in early spring..... 25

1126 **Hybrida Good Mixed**..... 5

1128 **Maritima Diamond** ⌓ For bedding. Not for flowers. 10

1130 **CLARKIA Elegans ⊙ Double and Single Mixed** 1 oz 25c.. 5

1132 **CLEMATIS** 2′ § **Large Flowering Mixed** Beautiful climber with lovely flowers, blue, white and purple, etc. 15

1134 **Paniculata** Beautiful fall flowering vine with white, sweet-scented flowers..... 10
Clematis seed germinates very slowly.

1135 **CLEOME Pungens ⊙** 5 ft. Spider Wort. A honey plant par excellence. Good for massing in front of shrubs; rosy lilac flowers.....1 oz 45c; ½ oz 25c.. 5

1136 **CLIANTHUS Dampieri** ⌓ 2 ft. Glory Pea of Australia. Trailing clusters of bright red flowers with a jet black spot..... 10

1140 **COBAEA Scandens-Cathedral Bells ⊙** § 30 ft. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and of a purplish-lilac when full grown. It is a very prolific bloomer and vigorous in vines and flowers. It is very free from insect pests...¼ oz 15c.. 5

1142 **Flore Albo** White..... 10

1145 **Mixed** White and blue..... 10

1148 **COIX Lachrymae ⊙** 2 to 4 ft. **"Job's Tears."** The seed is frequently used as an old-fashioned remedy, for sore throat, goiter and teething babies. It is strung on a linen thread and worn around the neck as a chain.....1 lb 60c; ¼ lb 20c; 1 oz 5c..

1150 **COLEUS Vaughan's Mammoth Rainbow Mixture** ⌓ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 in. in length and 8 in. in width, heart shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich, comprising all the reds, metallic greens and yellows in shades in the most delicate to nearly black..... 15

1152 **Fine Mixed**..... 5

1154 **COLLINSIA Mixed ⊙** 18 in. All species are brightly colored and excellent for growing in patches or clumps; easily grown in any garden soil.....1 oz 25c.. 5

Columbine See Aquilegia.

1156 **COMMELINA Sellowiana** ⌓ 1 ft. Plants are of graceful trailing habit, superb for carpet bedding or for hanging baskets. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butter-fly-like blossoms of dainty blue color.. 10

CONVOLVULUS MAJOR—MorningGlory ⊙ 15 ft. Pk

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers. Succeeds under almost all circumstances.

1160 **MAJOR White**. 1 oz 10c 5 | 1163 **Striped**..1 oz 10c.. 5
1162 **Crimson**...1 oz 10c 5 | 1164 **Blue**.....1 oz 10c.. 5
1165 **All Colors Mixed**.... 1 lb 60c; ¼ lb 20c; 1 oz 10c.. 5
1166 **Imported Collections** 8 varieties..... 20
1168 **Double Mixed** The flowers are double and semi-double and some are fringed, which give an appearance of a double flower.....1 oz 15c.. 5
1169 **Mauritanicus.** Blue flowers; for hanging baskets.... 5
1170 **Dwarf Morning Glory** 1 ft This plant should be better known, the flowers possessing all richness of color peculiar to the climbing morning glories.....1 oz 15c.. 5
For other Morning Glories see Ipomoea.

1175 **COREOPSIS Lanceolata** 2′ 2 ½ ft. Golden Glory. A beautiful hardy sort blooming from seed the first year. Very large yellow flowers of great elegance..¼ oz 20c.. 10

1176 **Grandiflora Eldorado** 2 ft. Compact bushy plants, flowers brilliant orange yellow, 3 in. in diameter..... 10

Cornflower See Centaurea.

COSMOS Giant Flowered ⊙ 6 ft.

Autumn blooming plants of exceedingly graceful habit. The single star-like flowers range in color from white through pink to crimson. The feathery spring green foliage well adapts it as a background for dwarfer flowers. If topped when half grown, the plants bloom much earlier, the check inducing immediate flowering.

1180 **White** "Pond Lily".....½ oz 15c.. 5
1182 **Pink** "Pink Butterfly".....½ oz 15c.. 5
1184 **Crimson**.....½ oz 15c.. 5
1185 **Klondyke** A gorgeous orange-yellow variety with very handsome foliage more coarsely laciniated than other sorts 10
1186 **Lady Lenox** The flowers are of extraordinary size, up to 6 in. in diameter; color shell-pink. The plants are of very vigorous growth.....½ oz 25c.. 10
1188 **Marguerite** Fringed finest mixed..... 10
1189 **Striped** Distinct and charming new class of flowers with large white centers, the petals being deeply striped with white..... 10
1190 **Giant Mixed**..... 1 oz 25c; ½ oz 15c.. 5

Woodside Early Flowering

This strain produces its flowers from July until frost. It grows and blooms in the greatest profusion in any soil. Grace, daintiness and brilliancy are the characteristics of this class. They are very pretty for vases and often last a week when cut. 10

1195 **White** (Dawn)..... 10
1196 **Pink**..... 10
1198 **Crimson**..... 10
1200 **Early Flowering All Colors Mixed**.....½ oz 30c.. 10

Coxcomb See Celosia.

1202 **CUPHEA Platycentra** ⌓ Cigar Plant. 10 in. For pots and borders..... 20
1204 **Purpurea ⊙** 1½ ft. Dark red..... 10

CYCLAMEN—Alpine Violet

DAHLIA—Vaughan's Special Mixture

DELPHINIUM—Larkspur

CYCLAMEN—Alpine Violet ⌓ 1 ft.

This beautiful pot plant, flowering from seed the first year is well known, but the public does not realize that it may be successfully raised from seed with little care and patience.

		Pkt
1205	**Persicum Mixed** Persian violet .....20 seeds..	10
1206	**Giant Flowered Mixed** 20 seeds 25c.....10 seeds..	15
1208	**Orchid Flowered Mixed** (Butterfly) .....15 seeds..	25
1210	**English Varieties Mixed**.....10 seeds..	25

For bulbs of the above see the bulb pages in this catalog.

1212 **CYPERUS Alternifolius** ⌓ 1½ ft. **Umbrella Plant.** Grows finely in water with rich soil or mud, throwing up long spikes with narrow green leaves, umbrella shape. 10

CYPRESS VINE ⊙ § 10 ft.

For training upon a light ornamental trellis the Cypress Vine can not be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly adapted to ornamental work.

1214	**White**.....½ oz 15c..	5
1215	**Crimson**.....½ oz 15c..	5
1220	**Mixed**.....½ oz 10c..	5
1222	**Ivy Leaved Scarlet** A rapid growing variety with deeply lobed, ivy-like leaves, and small fiery scarlet flowers.	5

DAHLIA ⊙ 2ℓ 4 ft.

But few people know Dahlias can be raised from seed and will bloom the first year. The seeds germinate as easily and certainly as Zinnias, and from the very first development are strong, and sturdy little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

1225	**Double Good Mixed** .....¼ oz 30c..	5
1226	**Double Best Mixed**.....	15
1228	**Double Cactus Flowered Mixed** With twisted and curled petals.....	15
1230	**Single Giant Perfection Mixed** This strain is a decided advance on ordinary single varieties. The plants are of strong robust habit, and produce in great abundance flowers of immense size, averaging 6 in. across, of the most bewildering variety of color.....¼ oz 25c..	10
1232	**Exhibition Mixed** A very choice selection from large single flowers, many with broad-edged petals in various colors.....	10
1240	**Vaughan's Special Mixture** This mixture contains seeds from the best collections in Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Liliput and Cactus varieties, also the single flowering and striped sorts.....60 seeds..	25

VAUGHAN'S SPECIAL

For roots and started plants of the above, see the plant pages.

DATURA—Angel's Trumpet ⊙ 3 ft.

Showy large branching plants bearing immense trumpet-shaped flowers.

		Pkt
1242	**Cornucopia** Horn of Plenty.....	10
1244	**Double White**.....	5
1245	**Golden Queen**.....	10
1260	**Double Fine Mixed**.....¼ oz 15c..	5

DELPHINIUM—Larkspur

Annual Varieties ⊙

Sow seed in the open border either in early spring or late fall so germination may take place very early in the spring. As the seedlings grow, thin them to a stand 6 to 18 in. apart, according to variety.

1265	**Giant Hyacinth-Flowered Mixed** 3 ft. Derives its name from the striking resemblance of the flowers to a double Hyacinth. The colors are both brilliant and delicate.....¼ oz 15c..	5
1270	**Tall Rocket Mixed** 2½ ft. Throws up one single column of bloom .....¼ oz 10c..	5
1275	**Dwarf Rocket Mixed** 1 ft.....¼ oz 10c..	5
1278	**Emperor Mixed** Produces an abundance of long, slender flower spikes in the most delicate colors ¼ oz 10c ..	5

Perennial Varieties 2ℓ

The hardy varieties are of bewitching beauty in the perennial border or among shrubs. The brilliant flower spikes can be seen from quite a distance and are strikingly effective. If sown early many of the varieties will bloom the first year. The plants will bloom almost continually if the flowers are removed as they fade.

1280	**Belladonna Hybrids** Contains all shades from the palest to the darkest blue, and the various intervening shades of sapphire, turquoise, indigo, etc., are rich and beautiful beyond description. The plants are dwarf in growth, and unlike the old perennial Larkspur, require no staking. They branch freely from the crown and bloom without intermission from early spring until late autumn, with increasing vigor to plants each succeeding season.....	25
1282	**Cashmerianum** 15 in. Spreading, many branched; flowers often 2 in. wide, deep purplish blue in color....	15
1284	**Caucasicum** 1½ ft. Magnificent sky blue flowers....	10
1285	**Chinese Album Grandiflorum** White. 2 ft. The stems have many lateral branches with large single flowers. Leaves deeply laciniated.....⅛ oz 15c..	5
1286	**Chinese Azureum Grandiflorum** Blue...⅛ oz 15c..	5
1288	**Elatum Hybridum Single Fine Mixed** 3 ft.. 1 oz 40c..	5
1290	**Elatum Hybridum Double Mixed**.....	15
1292	**Formosum** 3 ft. Brilliant blue white center.¼ oz 25c..	10
1294	**Formosum Coelestium Pillar of Beauty** Charming, delicate blue.....	10
1295	**Formosum Giganteum** A giant form of this most beautiful hardy Larkspur.....	25
1296	**Nudicaule** 1 ft. Dwarf brilliant scarlet flowers.....	20
1298	**Sibiricum Hybridum** 1½ ft. Fine blue shades.....	10

DIANTHUS BARBATUS—Sweet William

DIANTHUS—Chinese and Japanese

DIANTHUS—Plumarius

DELPHINIUM—Continued

		Pkt
1299	**Zalil Sulphur Yellow** 3 ft.	15
1300	**Vaughan's Perennial Mixture** This mixture is very valuable for its great variety in shades of color, which range from yellow to pure white; from the palest and most chaste lavender up through every conceivable shade of blue to deep indigo; and for the variety of size and form of their individual blooms.	25

DIANTHUS

Barbatus Sweet William ⊙ 2 ft.

A splendid old-fashioned plant, producing its large heads of beautifully colored sweet-scented flowers in great abundance. It is hardy, easily grown, and flowers the second year from seed.

1301	**DOUBLE White** (Albus Plenus)	5
1302	**Rose** (Rosea Plena)	5
1303	**Blood Red** (Atrosanguinea Plena)	5
1304	**Double Mixed** ¼ oz 20c.	5
1305	**Double Giant-Flowered Mixed**	10
1306	**SINGLE—Carmine Beauty.**—A charming and distinct color, midway between Pink Beauty and Scarlet Beauty.	15
1307	**Diadematus.**—One of the prettiest, flowers rose, spotted and sprinkled with white.	10
1308	**Johnson's Giant.**—The individual flower is the size of a half dollar. Besides this, the range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive.	15
1309	**Nigrescens.**—Flowers almost black.	10
1310	**Salmon.**—A new and very pleasing shade.	10
1311	**Sutton's Scarlet** —A vivid scarlet color; very striking.	15
1312	**Albus,** single white.	5
1313	**Atrosanguineus,** single blood red.	5
1314	**Roseus,** Pink Beauty, single pink.	5
1315	**Single Mixed** ¼ oz 15c.	5
1316	**Single Giant-Flowered Mixed**	10
1317	**Vaughan's Special Mixture** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings of the flowers. If you plant but one perennial, plant this	25

Chinese and Heddewigi or Japanese Garden Pinks ⊙ 1 ft.

A popular annual variety known to nearly all. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each flower. The stripes and spots make the individual clusters stand out from the foliage very distinctly.

1318	**Chinese Single Mixed** ¼ oz 10c.	5
1319	**Chinese Double Mixed** ¼ oz 10c.	5
1320	**Heddewigi Single Crimson Belle** Velvety dark red.	5
1321	**Single Eastern Queen** Striped rose colored flowers.	5
1322	**Single The Bride** White with purple center.	5
1325	**Single Mixed** Great range of colors. ¼ oz 10c.	5

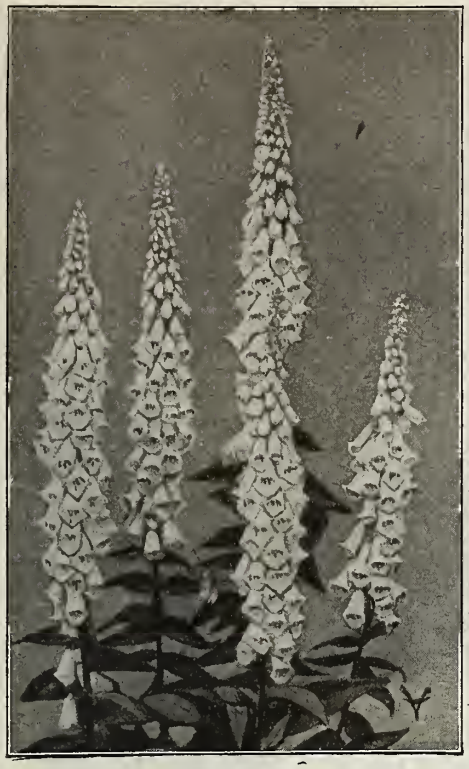
DIANTHUS—Continued

		Pkt
1326	**Heddewigi Double Diadem** Magnificent in color. ¼ oz 15c.	5
1327	**Double Fireball** Brilliant scarlet, compact, floriferous.	10
1328	**Double Mourning Cloak** Blackish crimson flowers.	5
1329	**Double Snowball** Compact, fringed white flowers.	10
1330	**Double Mixed** Exquisite shading. ¼ oz 10c.	5
1332	**Laciniatus Mirabilis** Single Wonder Pink. Flowers measure 3 to 4 in. in diameter.	10
1334	**Laciniatus Mirabilis Flore Pleno, Double Wonder Pink.**	10
1335	**Laciniatus Double Mixed** Flowers deeply laciniated,	5
1338	**Imperialis Flore Pleno, Double Mixed** Strong bushy grower. ¼ oz 10c.	5
1340	**Vaughan's Special Mixture of Single Pinks** This is a selection from the choicest sorts in cultivation. The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep glowing crimson. ¼ oz 15c.	10
1345	**Vaughan's Special Mixture of Double Pinks** Selection of the best double pinks in cultivation. Flowers ranging in color through all the brightest and most brilliant shades, plain edged and fringed. ¼ oz 15c	10
1350	**Vaughan's Special Mixture of Double and Single Pinks** This magnificent mixture contains the cream of the Dianthus family and unexpected results may be obtained by planting a package. We cannot recommend this mixture too highly. ¼ oz 15c.	10

Plumarius Clove or Grass Pinks 2 10 in.

These very desirable sweet-scented, low growing, early blooming and free flowering hardy garden pinks are unequaled for the border of beds, automobile drives, and the old-fashioned garden, and should be planted in quantities in any good garden soil with full sun and in an open situation.

1352	**Single Mixed** Delicately fringed flowers. ¼ oz 10c.	5
1354	**Cyclops** Flowers large, round, and produced in great abundance; colors exquisitely delicate; light rose, copper color, crimson and flesh predominating. A clove like odor adds to their attractiveness. ⅛ oz 20c.	10
1355	**Flore Pleno, Double Mixed** (Pheasant's Eye) ¼ oz 20c.	10
1358	**Nanus Fl. Pl. Early Flowering Clove Pink** The compact bushes are perfectly hardy and produce their flowers fully two weeks earlier than the older types. Their freedom of bloom is marvelous. Plants can be lifted and potted when in full bloom without injury.	15
1360	**Vaughan's Special Mixture of Clove Pinks** A charming mixture.	15
1362	**DICTAMNUS Fraxinella Mixed** 2 3 ft. Gas plant, red and white.	10



DIGITALIS—Foxglove

DOLICHOS—Hyacinth Bean

ESCHOLTZIA—California Poppy

DIGITALIS—Foxglove ⊙ 2 3 to 5 ft.

Handsome ornamental hardy plants of stately growth. The seed, though small germinates readily and the plants succeed well even in poor soil if given a half shady location. The spikes are often 3 to 5 ft. long and thickly strung with scores of thimble shaped flowers.

		Pkt
1365	**Gloxiniaeflora Alba** White, very handsome, flowers much like a Gloxinia	10
1366	**Rosea** Rose	10
1368	**Mixed** ⅛ oz 15c	5
1369	**Grandiflora** Bright yellow, distinct	5
1370	**Maculata Iveryana** Splendid spotted strain	5
1372	**Monstrosa Mixed** Long spikes surmounted by one enormous flower, very odd	10
1375	**Purpurea Mixed** Many colors ½ oz 15c	5
1380	**Vaughan's Special Mixture** Contains all the above and many others ¼ oz 35c	15

DIMORPHOTHECA Aurantiaca ⊙ 1 ft.

1383 Golden Star of theVeldt. Rare and very showy annual from South Africa which has become a great favorite on account of its very easy culture and beautifully colored flowers. Its Marguerite-like blossoms, produced in great profusion, are 2½ to 3¼ in. in diameter. These are a unique glossy rich orange gold, which brilliant coloring is rendered more conspicuous by the dark disk surrounding the black zone 10

DOLICHOS—Hyacinth Bean ⊙ ? 10 ft.

A rapid growing annual climber, flowers freely in erect racemes, followed by ornamental seed pods. Sweet scented.

1385	**Princess Helen** (Daylight) Snow white flowers followed by silvery white seed pods 1 oz 15c	5
1390	**Purple Soudan** (Darkness) Dark vines with brilliant rose flowers, seed pods dark red 1 oz 15c	5
1395	**All Colors Mixed** ¼ lb. 40c; 2 oz 25c; 1 oz 15c	5
1398	**DRACAENA Indivisa** ⌓ 2 ft. Ornamental leaved plants; long narrow, green leaved foliage	10
1402	**ECHEVERIA Mixed—Hen and Chickens** ⌓ 4 in. Used largely in cemeteries for carpet bedding. Seeds very tiny 100 seeds 25c; 25 seeds	10
1404	**ECHINACEA Hybrida** 2 4 ft. The flowers are variously shaped. The colors dark red, rose, carmine and orange	15
	Echinocystis Lobata See Wild Cucumber.	
1406	**ECHINOPS Ritro—Globe Thistle** 2 4 ft. Odd globe shaped, steel-blue flowers, fine among shrubbery and for cut-flowers. Good bee plant	10
1408	**EDELWEISS** 2 8 in. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. Succeeds in almost any not too rich soil with full exposure to the sun	10
1410	**ERIGERON Aurantiacus Hybridus** 2 1 ft. Large flowering hybrids of the orange daisy in great variety	10
1412	**ERYNGIUM Amethystinum** 2 2 to 3 ft. Handsome ornamental plants with finely cut, spiny foliage and beautiful thistle-like heads of amethystine blue; fine for winter bouquets	10
1414	**ERYTHRINA Crista Galli** ⌓ 4 ft. The Coral Tree, a fine greenhouse shrub, with scarlet flowers	10

ESCHOLTZIA—California Poppy ⊙ 1 ft.

The state flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers in pure shades of yellow, orange and crimson are produced from early spring until frost. Sow the seed where the plants are to remain.

1416	**Californica** The original yellow. ¼ lb 35c; 1 oz 15c	5
1418	**Carmine King** Beautiful carmine rose color, both on the interior and exterior of the flower ½ oz 30c	10
1420	**Compacta Erecta Dainty Queen** The color is a pale coral pink, slightly deeper towards the edges, with a ground work of delicate cream	10
1422	**Golden West** Flowers bright yellow and orange, penciled and blotched ½ oz 25c	5
1424	**Mandarin** Deep orange ½ oz 15c	5
1425	**All Colors Mixed** Many shades. ¼ lb 35c; 1 oz 15c	5
1426	**Double and Semi-Double Mixed**	10
1428	**Maritima** Canary yellow with orange center, leaves grayish and finely cut	5
1430	**Vaughan's Special Mixture** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence 1 oz 40c; ½ oz 25c	10
1432	**EUCALYPTUS Globulus—Blue Gum** ⌓ A native of Australia, introduced successfully into California	10
1435	**EUPATORIUM Fraseri** 1½ ft. A very pretty dwarf variety producing clusters of snow-white flowers; fine for cutting and bouquets	10

GAILLARDIA—Annual

GAILLARDIA—Perennial

GERANIUM

1436 **EUPHORBIA Heterophylla—Mexican Fire Plant** ⊙ 2 to 3 ft. Annual Poinsettia resembling in habit and color the beautiful hothouse poinsettia. The plants are of branching bush-like form, with smooth, glossy green leaves. About midsummer the center top leaves of each branch turn a vivid orange scarlet..... ¼ oz 15c.. Pkt 10

1438 **Variegata—Snow on the Mountain or Mountain Spurge** 2 ft. Remarkably distinct plant; very showy with its veined and edged white and green foliage. Planted to advantage in clumps in shrubbery and the branches when cut may be used in mixed bouquets..... 5

1440 **EVERLASTINGS Mixed** ⊙ 1 to 2 ft..... ¼ oz 15c.. 10

For named sorts of Everlastings see Acroclinium, Ammobium, Gomphrena, Helichrysum, Rhodanthe and Xeranthemum.

Feverfew See Matricaria.
Forget-me-not See Myosotis.
Four O'clock See Mirabilis.
Foxglove See Digitalis.

1446 **FUCHSIA Hybrida, Double and Single Mixed** ◺ 1 to 4 ft. Ladies Eardrop. Well known greenhouse plant, will bloom from seed the first year if planted early..... 20

GAILLARDIA (Blanket Flower)

Annual Varieties ⊙ 1½ ft.

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

1448 **Picta Single Mixed**..... ¼ oz 15c.. 5
1450 **Lorenziana Double Perfection Mixed**..... ¼ oz 20c.. 5

Perennial Varieties 2ℓ 2 ft.

These are undoubtedly among the choicest of hardy perennials; the flowers are large, very numerous, excellent for cutting and of the most brilliant shades of orange, crimson, scarlet and vermilion, and very often a combination of all these colors in one flower. Do best if treated as biennials.

1452 **Grandiflora Mixed**..... ¼ oz 20c.. 10
1455 **Kelway's Hybrids** This is to our knowledge the choicest strain in Gaillardias. The flowers are of enormous size, and the colors most varied. Our seed is from Kelway direct..... 25
1456 **Maxima Kermesina Splendens** Rich crimson center with a border of canary yellow..... 10
1458 **Sulphurea Oculata** The color is a pale sulphur yellow with a bright maroon eye, giving the flowers a very distinct appearance..... 10

1462 **GAURA Lindheimeri** ⊙ 3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. This is largely used throughout Europe for interspersing in beds of Begonias, Geraniums, etc., giving an air of grace to what would otherwise be stiff. Pkt 5

1464 **GENTIANA Acaulis** 2ℓ 4 in. Gentian, intense blue flowers with five yellow marks..... 10

GERANIUM ◺ 1 to 2 ft.

These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new and desirable.

1465 **Zonale Varieties** Saved from the choicest collections.. 10
1466 **Large Flowering, Newest Varieties Mixed** choicest strains..... 50 seeds.. 15
1467 **Apple-scented** Leaves fragrant..... 25 seeds.. 10
1468 **Lady Washington** (Odier) Large flowering, beautifully blotched..... 25 seeds.. 20
1469 **GEUM Coccineum Plenum** 2ℓ 1½ ft. Flowers are double, bright scarlet in color and last well when cut. Very large and profuse bloomer. Elegant for bouquets. 10
1470 **Heldreichi** Beautiful orange flowers produced very freely..... 10
1471 **GILIA Mixed** ⊙ 1 ft. Free blooming, fine for beds, rockeries or lawns..... 1 oz 20c.. 5

Gilliflower See Stocks.

1472 **GLAUCIUM Luteum—Horn Poppy** ⊙ 3 ft. Yellow flowers, gray foliage..... 5

Globe Amaranth See Gomphrena.

1475 **Gloxinia Hybrida Grandiflora Vaughan's International Mixture** ◺ 12in. Magnificent house blooming plants, with handsome bell-shaped flowers in the diversity of the richest colors. Our International Mixture contains the finest European strains..... 25

VAUGHAN'S SPECIAL

1476 **Fine Mixture**..... 10

GODETIA ⊙ 1½ ft.

Remarkable for their widely opened flowers of satiny texture and lovely, delicate shades of color; fine for shady places.

1477 **Duchess of Albany,** pure white..... 5
1478 **Gloriosa,** deep blood red..... 5
1479 **Rosamunde,** fiery rose..... 5
1480 **Lady Satin Rose,** bright carmine..... 5
1481 **The Bride,** white and red..... 5
1482 **Many Sorts and Colors Mixed**..... ¼ oz 10c.. 5
1483 **Dwarf Sorts Mixed** Neat globular bushes about 10 inches in height..... ¼ oz 15c.. 5

Golden Feather, see Pyrethrum.

GOURDS—Mixed

HELICHRYSUM—Straw Flower

HELIOTROPE—Mammoth Flowered

Pkt

1484 **GOLDEN ROD** 2′ 2 ft. American National Flower..... 5

1485 **GOMPHRENA Globosa Mixed** ⊙ 2 ft. Globe Amaranth. Clover-like heads everlasting.....¼ oz 10c.. 5

GOURDS ⊙ § 20 ft.

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season and the blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

1486 **Apple-shaped** Beautifully striped..... 5

1487 **Bottle** The original Thermos bottle. Used by the pilgrims in the orient..... 5

1488 **Calabash or Pipe Gourd** Odd-shaped fruit which is used to an advantage in making pipes. A native of South Africa..... 15

1489 **Dipper** Makes an excellent dipper..... 5

1490 **Dishcloth or Towel** Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left..... 5

1492 **Hercules Club** Fruit grows 3 to 4 ft. long..... 5

1495 **Japanese Nest Egg** Fruit looks exactly like hens' eggs and may be used as nest eggs..... 5

1496 **Orange** The well known Mock Orange..... 5

1498 **Ornamental Pomegranate** or Queen's Sweet Pocket melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens..... 5

1500 **Pear Shaped** Striped yellow and green..... 5

1502 **Sugar Trough** Thick shells very durable..... 5

1504 **Spoon** Small ball shaped fruit with slender necks, richly colored, deep orange, whitish and dark olive green. By slicing off a part of the side of the bowl a satisfactory spoon may be made..... 5

1505 **Turk's Turban** Odd brightly colored fruit..... 5

1506 **Small Fruited Varieties Mixed**..1 oz 25c;½ oz 15c.. 5

1510 **All Varieties Mixed**.....1 oz 25c; ½ oz 15c.. 5

1512 **Imported Collection** 12 Varieties..... 30

1514 **Imported Collection** 6 Varieties..... 20

1515 **GRASSES Ornamental Mixed** ⊙ 2 to 5 ft. These are most useful for winter bouquets; enormous quantities of them are annually grown in Germany and exported to the United States, where they are made up into bouquets with Everlasting flowers. They are easily grown in any soil..... 10

1520 **GREVILLEA Robusta—Silk Oak** ⌒ 1 to 5 ft. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long drooping silky foliage it reminds one of a palm or fern. Makes a fine plant for the center of fern dishes..... 10

GYPSOPHILA

1522 **Elegans Grandiflora Alba—Angel's Breath** ⊙ 2 ft. This is an improved, large-flowering, pure white form of the annual Angel's Breath, of free, easy growth. Several sowings should be made during the season to keep up a supply. Combined with sweet peas they make pretty bouquets.....½ oz 10c.. 5

1524 **Elegans Rosea** Soft Pink .....½ oz 10c.. 5

1525 **Muralis** 6 in. Dwarf pink good for edging..... 5

1530 **Paniculata** 2′ 2 ft. Baby's Breath. White flowers, smaller than the annual varieties, producing a veil-like mist over the plant..... 5

HELIANTHUS (Sunflower ⊙

The state flower of Kansas. Remarkable for its stately growth and decorative effect in the garden. The old original Mammoth Russian variety now has a numerous company showing various traits. Some are dwarf, some double, some single and the leaves are gray and green. Excellent for cutting. The flowers may be bunched in great bowls for bold porch decoration. Should be planted with discrimination in every garden.

1534 **Argyrophyllus** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. A specimen plant will attain the shape of a Christmas tree, the flowers having the effect of candles.....½ oz 15c.. 5

1535 **Californicus Fl. Pl.** 5 ft. Double dark yellow 1 oz 10c.. 5

1536 **Double Chrysanthemum Flowered** 6 ft. Golden yellow flowers.....1 oz 15c.. 5

1537 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia sunflower. Flowers a rich saffron color.....1 oz 10c.. 5

1539 **Nanus Flore Pleno** 2½ ft. Double dwarf, beautiful for massing in beds.....1 oz 20c.. 5

1540 **Russian Mammoth** Single, of gigantic dimensions For larger amounts see Farm seed pages.....1 oz 5c

1541 **Cucumerifolius Mixed or Cut and Come Again** Quite a distinct variety. Wonderfully useful for garden display, and especially for cutting. Flower with lavish profusion..... 10

1545 VAUGHAN'S SPECIAL **Vaughan's Special Mixture** of all the single and double sunflowers..1 oz 25c..... 10

1550 **HELICHRYSUM Monstrosum Flore Pleno Mixed** ⊙ 2½ ft. Everlasting Strawflower. Flowers intended for drying should be gathered when partially unfolded and suspended with their heads downward in a cool place....½ oz 20c.. 5

1555 **HELIOTROPE Mammoth Mixed** ⌒ 2 ft. Deliciously fragrant flowers of rich purple blue. The flowers and leaves have a mossy effect. Blooms from seed the first summer if sown early in the spring. Excellent for cutting and splendid for bedding..... 10

1560 **Fine Mixed**..... 5

MORNING GLORY—Vaughan's Japanese

HUMULUS JAPONICUS—Japanese Hop

HOLLYHOCK—Vaughan's Prize Mixture

1562 **HESPERIS Matronalis Mixed** ⊙ 2 ft. Sweet Rocket. Fragrant purple and white flowers. Pkt ½ oz 10.. 5

1565 **HEUCHERA Sanguinea** 2ℓ 1 ft. Slender wiry stems with innumerable tiny crimson blossoms. 10

1570 **HIBISCUS Crimson Eye** 2ℓ 4 ft. These immense flowers of pure white, with a large crimson eye, often measure 7 in. in diameter, and a plant will often have as many as fifty of them. It blooms from seed the first year. 5

1575 **Golden Bowl** Deep cream with a velvety maroon center 10

1580 **HELENIUM Riverton Beauty** 2ℓ 3 ft. Lemon yellow with black cone. Excellent for planting in borders. 10

1585 **Riverton Gem** 3 ft. Of strong growth. Covered from the middle of August to the end of October with brilliant flowers, which, on opening, are old gold suffused with terra cotta, changing as they mature to a Wall flower red. 10

HOLLYHOCK

Annual Varieties ⊙ 2ℓ 5 ft.

Perennial plants of stately growth which will flower from seed the first year. The blossoms are set as double and semi-double rosettes around the flower stalk in almost every color. Makes a charming hedge or back ground. Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy for it, but a great deal can be done towards preventing it and reducing the damage by spraying the plants with Bordeaux mixture. Spraying should commence as soon as the leaves show above the ground, and should be continued until the flowering season, at intervals of two weeks.

1880 **Allegheny** Semi-double flowers with frilled edges. ¼ oz 25c 10

1882 **Everblooming Single Mixed** Large single flowers exhibiting every shade known in Hollyhocks.. ½ oz 25c.. 5

1885 **Ever Blooming Double Mixed** Double and semi-double 10

Perennial Varieties ⊙ 2ℓ

Are at their best if treated as biennials.

1886 **DOUBLE White** 1894 **Deep Rose**

1888 **Yellow** 1895 **Crimson**

1890 **Salmon** 1896 **Blood Red**

1892 **Pink** 1898 **Black**

Each of the above. ¼ oz 30c.. 10

1899 **Good Mixed**. ¼ oz 20c.. 5

1900 VAUGHAN'S SPECIAL **Vaughan's Prize Mixture** The finest shades and perfectly double flowers. 10

1905 **Single Mixed**. ½ oz 20c.. 5

For roots, see Plant pages.

1910 **HUMULUS Japonicus-Japanese Hop** ⊙ § 20 ft. One of the most rapid growing ornamental climbers, green-leaved. ¼ oz 10c.. 5

1915 **Japonicus-Fol. Var.**—Variegated Japanese Hop. There is no hardier climbing vine than the Japanese Hop and for constant resistance to drouth or insects it has no equal. This sort possesses all the good qualities of its parent, and in addition has beautifully variegated foliage splashed and streaked with white. ¼ oz 10c.. 5

1916 **HUNNEMANNIA Fumariaefolia—Bush Escholtzia** ⊙ Pkt 1½ ft. The plants grow into a shrubby bush and produce their large cupshaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The cut blooms keep in water two weeks. ¼ oz 20c.. 5

Hyacinth Bean See Dolichos.

1918 **ICE PLANT** ⊙ 6 in. Suitable for rock work, hanging baskets, etc. Foliage thick, frosted and wax-like. 5

1920 **IMPATIENS Holstii Hybrids—Zanzibar Balsam** ⌓⊙ 1½ ft. One of the prettiest plants for pot culture and also for out-door planting in a half-shaded situation. Remarkable for its long duration of bloom. It is very charming for winter blooming. They range in color from pink through the red shades to purplish violet. 15

1922 **Sultani** Rosy flowers, glossy green foliage. 10

1925 **INCARVILLEA Grandiflora** 2ℓ 2 ft. Likes a sunny situation, produces spikes of elegant Gloxiniaeflora-like flowers. Finely cut foliage. 20

1928 **INULA Glandulosa Grandiflora** 2ℓ 2½ ft. Peculiar yellow flowers composed of narrow wavy petals. 10

1930 **IONOPSIDIUM Acaule** ⊙ 3 in. A charming little plant for pot culture. Seeds sprinkled in a pot will bloom in a month. 5

IPOMEA—Moonvine ⊙ § 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring, are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

1932 **Bona Nox. Evening Glory** Violet flowers, large and fragrant. 1 oz 25c.. 5

1934 **Coccinea. Star Ipomoea** Small scarlet flowers in great profusion. 1 oz 20c.. 5

1935 **Mexicana Grandiflora Alba—White Moon Flower** Covered with large white flowers every evening and cloudy day. Seeds should be started inside.. ½ oz 25c.. 10

1936 **Mexicana Grandiflora, Giant Pink** Soft lilac pink flowers. ½ oz 30c.. 10

1938 **Imperialis Japanese Morning Glory, Fine Mixed** .....1 lb $1.00; ¼ lb 35c; 2 oz 25c; 1 oz 15c; ½ oz 10c.. 5

1940 **Vaughan's Special Mixture of Japanese Morning Glories** The variety of color is infinite, running from snow white through all possible shades of blue and red from palest pink to darkest reds and purples. Flowers are streaked, marbled, mottled, striped and bordered in wonderful fashion and sometimes show rare markings of ash gray, bronze, terra cotta, brown and slate-blue, colors rarely found in any other flower. The leaves are also very handsome; some are ivy-like, others are heart-shaped, some are rich green, while others are streaked and marbled with white and silver or yellow; others with choicest flowers, have rich golden leaves. VAUGHAN'S SPECIAL .....1 lb $3.00; ¼ lb $1.00; 1 oz 30c; ½ oz 20c.. 10

KOCHIA—Burning Bush

LYCHNIS Haageana

LOBELIA—Bedding Queen

IPOMOEA—Continued

Pkt

1942 **Leari** Satiny blue with crimson bars. A good greenhouse climber. ¼ oz 25c. . 10

1944 **Rochester** Flowers 4 to 5 in. across, deep violet blue in the throat, blending out to an azure blue, bordered with a wide white band around the edges. Foliage extremely vigorous. ½ oz 30c. . 10

1945 **Rubro-Coerulea, Heavenly Blue** Sky blue flowers in great abundance. ½ oz 35c. . 10

1946 **Setosa or Brazilian Morning Glory** Rosy-pink flowers. It presents a remarkable appearance, branching in all directions and intertwining so as to make it impenetrable to the sun's rays. 1 oz 25c. . 5

For other Morning Glories see Convolvulus

1948 **IRIS Kaempferi** 2ℓ 2½ ft. The beautiful Japanese Iris in splendid mixture. . . . 10

For immediate results get roots of Japanese Iris, listed on plant pages.

Job's Tears See Coix Lachrymae.

Kenilworth Ivy See Linaria.

Kudzu Vine See Pueraria.

1950 **KOCHIA Tricophylla** ⊙ 2½ ft. Summer Cypress or Burning Bush. Forms dense bushes of cypress like appearance During the summer they remain light green and in early fall they change to carmine and blood-red. . . . 5

1952 **LANTANA Hybrida Mixed** ⌂ 2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. . ½ oz 15c. . 5

Larkspur See Delphinium.

LATHYRUS LATIFOLIUS 2ℓ § 8 ft.

Everlasting or Hardy Sweet Peas

They have not the fragrance of the Sweet Peas, but bloom through a long season, are hardy and will live for years.

1954 **Latifolius** Purplish red. ½ oz 15c. . 5

1956 **Albus** White. ½ oz 25c. . 10

1958 **Pink Beauty** Bright rosy-pink. ½ oz 15c. . 5

1960 **Mixed**. ½ oz 15c. . 5

Levkojen See Stocks.

1965 **LINARIA Cymbalaria—Kenilworth Ivy** 2ℓ Flowers lavender and purple. A charming, small, hardy perennial trailing plant suitable for baskets, vases, pots and rock work. . . . 5

1970 **LINUM Grandiflorum Rubrum—Crimson Flax** ⊙ 2 ft. Fine foliage, delicate stems with brilliant scarlet flowers of long duration of bloom. 1 oz 15c. . 5

1972 **Flavum** 2ℓ 9 in. Yellow flax. . . . 10

1973 **Perenne Mixed** 1½ ft. White and blue. The flowers are produced on long wiry branches at the tips and with such airy grace they appear to be floating in the air. . . . 5

LOBELIA Erinus ⊙

These are charming little plants covered with numerous small blossoms all summer. They flower from seed the first year. The dwarfer varieties are used to an advantage in edging beds and in pots, the trailing ones for hanging baskets and massing. The blossoms in all sorts are particularly bright in appearance.

Pkt

1975 **Erinus Alba** 1 ft. Pure white, tall. ⅛ oz 10c. . 5

1976 **Gracilis** Light blue flowers, light green foliage trailing. ⅛ oz 10c. . 5

1978 **Hamburgia** Large flowering dark blue, for hanging baskets. . . . 10

1980 **Speciosa** True, dark blue, dark foliage; good for hanging baskets. . . . 5

1985 **Compacta Crystal Palace** 6 in. Deepest blue, dark foliage. . . . 10

1990 **Compacta Emperor William** Clear sky blue with green foliage. . . . 5

1992 **Pumila Rosea** Dwarf pink. . . . 5

1994 **Pumila Splendens (Bedding Queen)** Dwarfest, best for ribbon bedding. Flowers deep purplish violet with clear white eye. . . . 10

1995 **Mixed Colors**. ⅛ oz 15c. . 5

1998 **Cardinalis—Cardinal Flower** 2ℓ 4 ft. A native perennial, forming long spikes thickly set with bright crimson flowers. ⅛ oz 30c. . 5

2002 **LOPHOSPERMUM Scandens** ⊙ § 10 feet. Showy, rosy, purple Foxglove-like flowers. . . . 10

Love-in-the-mist See Nigella.

LUPINUS

2005 **Tall Annual Varieties Mixed** ⊙ 2 ft. Ornamental, free flowering, easily grown, with long graceful spikes of rich and variously colored pea-shaped flowers; valuable for mixed flower borders and beds. 1 oz 15c. 5

2006 **Dwarf Annual Varieties Mixed** 1 ft. 1 oz 15c. . 5

2007 **Hybridus Roseus** 2 ft. A charming rose pink flower. ½ oz 20c. . 5

2010 **Polyphyllus Mixed** 2ℓ 4 ft. Showy perennials, growing stout and erect, and producing long racemes of pea-like flowers in great variety of colors. . . . 5

2015 **LYCHNIS Chalcedonica** 2ℓ 2 ft. Burning Star. Flowers which are of the most fiery red imaginable, appear in clusters, each individual blossom forming a perfect maltese cross. Will bloom from seed the first year. 5

2016 **Haageana** 1 ft. Large flowered brilliant deep scarlet. 10

2018 **Haageana Hybrida** Unusual colors, white, rose, vermillion, brillant orange, scarlet and crimson. . . . 5

2020 **LYTHRUM Roseum Superbum** 2ℓ 3 ft. A native perennial, good for massing, flowers rosy-lilac produced on long slender spikes. . . . 10

For Vaughan's Flower Seed Novelties, See Pages 8 to 13

See inside back cover page for Vaughan's Special Purpose Collections

MARIGOLD—Double Tall African Special Mixture

MIGNONETTE—Giant Machet

MARIGOLD—Legion of Honor

MARIGOLD—Tagetes ⊙

The Marigolds are old favorite, free-flowering annuals of easy culture. They light the garden with a glitter of yellow far into the frosts of autumn. The tall varieties have uniformly large yellow or orange colored flowers, and are well adapted for large beds or mixed borders. The dwarf varieties make a fine border for the taller sorts, and both are effective when planted in groups or in the garden borders.

Tall Varieties 5 ft. Pkt

2022 **Eldorado** Extremely large and imbricated double flowers in yellow shades ¼ oz 10c . . 5
2024 **Lemon Queen** . . 5
2025 **Orange Queen** . . 5
2026 **Tall African Mixed** Large double flowers . . ½ oz 15c . . 5
2028 **Tall French Mixed** Large bushes covered with a multitude of small double flowers ½ oz 15c . . 5
2029 **Imported Collection Tall African, 6 Colors** . . 20
2030 **Vaughan's Special Mixture of Tall Marigolds** Includes the best colors and is made up from separate sorts. Give this a place in your garden if you wish flowers when all others have failed ¼ oz 20c . . 10

Dwarf Sorts 10 in.

2032 **Aurora** Double, clear soft yellowish-pink, very distinct and peculiar, new color . . 5
2034 **Electric Light** Double sulphur-yellow, brown-red stripes and spots ½ oz 15c . . 5
2035 **Gold Striped** Double velvety maroon, striped gold . . . 5
2036 **Legion of Honor** Single, flowers rich golden yellow, marked with velvety brown, best for edging . . ½ oz 15c . . 5
2038 **Silver King** Single, light sulphur-yellow with brown spots . . 5
2040 **Dwarf French Double Mixed** Low bushes covered with small flowers . . 1 oz 25c; ½ oz 15c . . 5
2042 **Dwarf African Mixed** (Pride of the Garden) 15 in. Immense double flowers golden yellow, compact dwarf habit, forming dense bushes ½ oz 15c . . 5
2044 **Imported Collection Dwarf French** 6 varieties 20
2045 **Vaughan's Special Mixture of Dwarf Marigolds** These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers. This mixture is made up of separate colors especially purchased for this mixture ¼ oz 20c . . 10

Pot Marigold See Calendula.
Marvel of Peru See Mirabilis.

2046 **MARTYNIA Formosa** ⊙ 1½ ft. Peculiar seed pods shaped like antelope horns . . 5

MATRICARIA

Pkt

2047 **Alba Plenissima** 2′ ⊙ 3 ft. Feverfew. Neat, small, double white flowers, well adapted for bedding and cutting. They are perennials in mild climates, but in our latitude are treated best as biennials or annuals . . . 10
2048 **Eximia Golden Ball** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers . . 10

2050 **MATTHIOLA Bicornis** ⊙ 15 in. The Evening Scented Stock has no beauty to recommend it, the flowers being dull purplish-lilac, but it is well worth growing for the charming fragrance which it emits during the evening. 5

2052 **MAURANDIA Mixed** ⊙ § 10 ft. Abundant bloomer and very desirable for greenhouse and garden. Colors range through white, rose, blue and purple . . 10

2054 **MELOTHRIA Punctata** ⊙ § 10 ft. Gooseberry shaped fruit . . 5

MIGNONETTE—Reseda ⊙ 6 to 12 in.

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor.

2055 **Bismarck** The red flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct being crinkley, while its odor is strong and most delicious . . ⅛ oz 15c . . 10
2056 **Gabriele** Very sweet; spikes very thick; one of the best for out of doors . . ¼ oz 15c . . 5
2058 **Goliath** Fine pyramidal bushes, foliage rich green, contrasting strikingly with the bright red flowers. Flower stalks tall and strong, spikes often 7 in. long by 2 in. in diameter . . ⅛ oz 15c . . 10
2060 **Grandiflora Large-Flowered** . . ¼ lb 25c; 1 oz 10c . . 5
2062 **Machet** It is the best Mignonette for all purposes either outside or inside. It is an ever bloomer, the flowers lasting until late in the fall. Our seed is grown with the most scrupulous care and it gives entire satisfaction . . ¼ oz 25c . . 10
2064 **New York Market** This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower . . 250 seeds . . 25
2066 **Pyramidal Large-Flowering** Tall growing variety splendid for cutting . . ⅛ oz 15c . . 5
2070 **Mixed** Many shades and types . . 1 oz 15c; ½ oz 10c . . 5

MYOSOTIS—Forget-Me-Not

NIGELLA—Miss Jekyll

MARVEL OF PERU—Four O'Clocks

2072 **MIMOSA Pudica Sensitive Plant** ⊙ 1 ft. Curious and interesting, pinkish-white flowers; the leaves close and droop when touched or shaken. ¼ oz 15c — Pkt 5

2274 **MIMULUS Tigrinus, Single Mixed** ⊙ 10 in. Queen's Prize. Monkey Flower. Dwarf bushy plants, with large gloxiniaeflora-like flowers ranging in color through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped.. ⅛ oz 25c.. 5

2275 **Tigrinus Fl. Pl.** Double Monkey Flower mixed..... 10

2276 **Moschatus Musk Plant** Musk scented leaves, tiny yellow flowers..... 5

2278 **MINA Lobata** ⊙ § 12 ft. A climber of luxurious growth with tube-shaped flowers, produced in greatest profusion. In color they are particularly attractive, the buds being first bright red, but changing through orange yellow to creamy white when fully expanded..... ¼ oz 30c.. 10

2279 **Sanguinea** 20 ft. The leaves resemble oak leaves, and the flowers are borne in large clusters, blood-red with a yellow throat..... ½ oz 15c.. 5

MIRABILIS—Marvel of Peru or Four O'Clocks ⊙ 2 ft.

This is another good old-fashioned flower, bearing hundreds of flowers during the season, of white, yellow, crimson and violet. Some varieties combine two or more of these colors in spots, flakes and splashes in such a manner as to give the flowers a most bizarre effect.

2280 **Mixed all Sorts and Colors**..... ¼ lb 20c; 1 oz 10c.. 5

2282 **Variegated Leaves Mixed**..... 1 oz 15c.. 5

2284 **Dwarf Mixed** 12 in..... 1 oz 15c.. 5

2285 **Sweet-Scented** (longiflora alba) Flowers white and very fragrant..... 1 oz 15c.. 5

Monkey Flower See Mimulus.

Morning Glory See Convolvulus and Ipomoea.

Mourning Bride See Scabiosa.

2286 **MUSA Ensete** ⌓ 6 ft. Abyssinian Banana, splendid tropical plant, may be set out doors in summer. 10 seeds 20

Musk Plant See Mimulus.

MYOSOTIS—Forget-Me-Not ⊙ ½ to 1 ft.

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Responds to good treatment and flourishes in shady, moist situations.

2288 **Alpestris Blue** Trailing habit..... ⅛ oz 15c.. 5

2290 **Alba** White..... ⅛ oz 15c.. 5

2292 **Rosea** Pink..... ⅛ oz 15c.. 5

2294 **Eliza Fonrobert** Flowers large, sky blue, with clearly defined white eye..... ⅛ oz 20c.. 5

MYOSOTIS—Forget-Me-Not— ontinued

2295 **Alpestris Victoria** The flowers are large bright azure blue, with yellow centers. The plants form neat bushes completely covered with blooms. Best for edging..... Pkt 10

2296 **Mixed**..... ⅛ oz 15c.. 5

2298 **Ruth Fisher** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage..... 25

2299 **Star of Love** Distinct variety with large, beautiful blue flowers..... 25

2300 **Palustris** 2ℓ The true Swamp Forget-me-not..... 10

2302 **Semperflorens** A charming dwarf blue Forget-me-not, continuing in bloom from early spring until autumn. 10

2304 **Dissitiflora** One of the best of all the Forget-me-nots. It is of remarkably compact habit and a profuse bloomer, having an appearance of a sheet of blue when planted in masses..... 10

2305 **Vaughan's Early and Late Flowering** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky blue with a delicate white center. Plants may be in bloom at any time of the year..... VAUGHAN'S SPECIAL 10

2415 **NEMOPHILA Mixed** ⊙ 6 in. Grove Flower. Cup shaped flowers of many bright colors, the blue shades being particularly charming. Does well in moist, half shady situations..... ½ oz 15c.. 5

2420 **NICOTIANA Affinis** ⊙ 2 ft. Sweet Scented Tobacco Plant. Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall and cut back and potted, they will bloom all winter.. ¼ oz 15c.. 5

2425 **Affinis Hybrida** Splendid hybrids in blue, red and rose, etc. shades..... ⅛ oz 15c.. 5

2430 **Sylvestris** 4 ft. Large white flowers, plant for ornamental purposes..... ¼ oz 15c.. 5

2432 **NIGELLA Mixed—Love in the Mist** ⊙ 1½ ft. A compact, free flowering plant with finely cut foliage, curious looking seed pods; of easy culture, growing in any garden soil, blue and white mixed..... 1 oz 15c.. 5

2434 **Miss Jekyll** Gives an abundance of long stemmed flowers of the clearest cornflower blue, contrasting most charmingly with the fine fern-like foliage.... ½ oz 25c.. 10

2436 **NOLANA Mixed** ⊙ Pretty trailing plant, useful for edging or rock work..... ¼ oz 10c.. 5

2450 **OENOTHERA Mixed** ⊙ ½ to 2 ft. Evening Primrose. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume 5

2455 **OXALIS Rosea Mixed** ⊙ A most excellent little plant for edging or pots; blooms all summer in the greatest profusion; flowers dark rose, delicate pink and white..... 10

2456 **Tropaeoloides** Suitable for rock work, rustic baskets etc., largely used in parks. Flowers deep yellow, leaves brown..... ⅛ oz 15c.. 5

NASTURTIUMS

DWARF VARIETIES ⊙ 1 ft.

There are few flowers that can compare with Nasturtiums in richness and variety of color, freedom of bloom, ease of culture and general usefulness. They are suitable for bedding and edging, grow quickly, thrive in the poorest soil and furnish the greatest abundance of long lasting, sweet-scented cut flowers.

Green and Dark Leaved Varieties

		Pkt
2306	**Beauty** Scarlet splashed canary.....1 oz 10c	5
2308	**Bronze** Burnt bronze color dark leaved....1 oz 10c	5
2310	**Chameleon** Is unique in bearing flowers of quite distinct coloring on one and the same plant...1 oz 10c	5
2312	**Empress of India** Very dark leaves, crimson flowers	5
2314	**Golden King** Pure golden yellow.....1 oz 10c	5
2315	**King of Tom Thumbs** Intense deep scarlet flowers, dark foliage.....1 oz 10c	5
2316	**King Theodore** Velvety red flowers, dark foliage 1 oz 10c	5
2318	**Lady Bird** Orange, bright scarlet, striped...1 oz 10c	5
2320	**Pearl** Creamy white.....1 oz 10c	5
2322	**Regelianum** Purplish violet.....1 oz 10c	5
2324	**Ruby King** Ruby red, dark leaved.....1 oz 10c	5
2325	**Vesuvius** Salmon rose.....1 oz 10c	5

Fancy and Variegated Leaved Varieties

2326	**Golden Cloth** The foliage is of a bright yellow, while the flowers are intense scarlet.....1 oz 10c	5
2327	**Ivy Leaved Mixed** Deep green leaves of distinct ivy-form. The flowers are beautifully fringed at the edges of the petals and at the throat.....1 oz 10c	5
2328	**Queen of Tom Thumbs** Produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage, and is strikingly handsome and useful for bedding or pot culture.....1 oz 10c	5
2330	**DWARF MIXED**.....1 lb 70c; ¼ lb 20c; 1 oz 10c	5
2336	**COLLECTION No. 1 OF DWARF NASTURTIUMS, 10 VARIETIES** Our choice.....1 pkt each 35c	
2338	**COLLECTION No. 2 OF DWARF NASTURTIUMS, 10 VARIETES.** Our choice.....1 oz each 75c	

2335 **VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS** Will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the dwarf Chameleon which have the richestand most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers.....1 lb. $1.50; ¼ lb 45c; 1 oz 15c. VAUGHAN'S SPECIAL 10

TALL or CLIMBING VARIETIES ⊙

The tall sorts are luxuriant climbers for verandas, trellises, fences, etc. They are especially adapted to the covering of unsightly railings and to trail over rough ground; their flowers are generally larger than those of the dwarfs. The seed pods can be gathered while green and tender for pickling.

Green and Dark Leaved Varieties

		Pkt
2340	**Black Prince** Velvety black flowers, dark foliage	5
2342	**Cardinal** Scarlet flowers, dark foliage.....1 oz 10c	5
2344	**Chameleon** On one and the same plant are found self colored flowers, others stained and blotched on a clear ground, while others are broadly edged or banded with light or dark shades.....1 oz 10c	5
2345	**Coquette** The flowers vary so greatly from each other that it is almost impossible to find any two alike. It produces every color known in Nasturtiums...1 oz 10c	5
2346	**Dunnet's Orange** Bright orange flowers....1 oz 10c	5
2348	**Heinemanni** Chocolate color, odd.....1 oz 10c	5
2350	**Jupiter** Strong running growth and large, rich golden yellow flowers.....1 oz 10c	5
2352	**King Theodore** Rich deep crimson flowers; dark leaves.....1 oz 10c	5
2354	**Marguerite** Cream, scarlet spotted flowers..1 oz 10c	5
2355	**Pearl** Creamy white.....1 oz 10c	5
2356	**Prince Henry** Light yellow, marbled scarlet.1 oz 10c	5
2358	**Regelianum** The best rich crimson.....1 oz 10c	5
2360	**Virchow (Rose Queen)** The best pink.....1 oz 10c	5

Fancy and Variegated Leaved Varieties

		Pkt
2361	**Golden Cloth** Scarlet flowers with yellow foliage.	5
2362	**Emma Alida** Dark ivy-leaved foliage, with golden yellow, orange and deep scarlet laciniated flowers.....	5
2363	**Princess Juliana** Dark ivy-leaved foliage, with deeply cut flowers of orange yellow, spotted red brown.....	5
2364	**Queen Alexandra** Variegated leaves, flowers blood red, marbled and mottled.....	5
2365	**Queen Emma** Variegated leaves, deep scarlet flowers.	5
2366	**Queen of the Morning** Variegated leaves, flowers aurora colored.....	5
2370	**TALL MIXED, all sorts**..1 lb 60c; ¼ lb 20c; 1 oz 10c	5
2380	**LOBB'S MIXED** The strongest growing, attaining the greatest height.....1 lb 75c; ¼ lb 25c; 1 oz 10c	5
2390	**MADAM GUNTHER'S HYBRIDS** For richness and variety of color these hybrids have no equal among Nasturtiums. It is impossible to describe all the different colors.....1 lb $1.00; ¼ lb 30c; 1 oz 10c	5
2405	**COLLECTION No. 3 TALL NASTURTIUMS, 10 VARIETIES** Our choice.....1 pkt each 35c	
2410	**COLLECTION No. 4 TALL NASTURTIUMS, 10 VARIETIES** Our choice.....1 oz each 75c	

2400 **VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS** We call especial attention to this mixture. In it will be found all the choicest colors of all the tall Nasturtiums, the rich, velvety Lobb's varieties, the Canary bird creeper, the hybrids of Madam Gunther, Coquette and the new variegated leaved varieties.....1 lb. $1.50; ¼ lb 45c; 1 oz 15c VAUGHAN'S SPECIAL 10

VAUGHAN'S GIANT PANSIES ⊙⊙ 6 in.

One of the loveliest blossoms which greets our eye in early spring. The dainty, velvety, many colored little faces welcome us from the springtime until late fall if properly grown in a shady spot. The following list represents the selection of all the varieties grown; after careful comparison and observation followed up through years, we find this list will supply every shade known in Pansies and other varieties are but close resemblances to the ones listed. We try every novelty which is offered anywhere and will list it if it proves something strikingly new or an improvement on already existing varieties. A leaflet "How to Grow Pansies" is included in all orders for Pansy seed if asked for at the time of ordering. The higher priced packets will produce larger flowers.

		Pkt
2500	**Bridesmaid** Its ground color is a rosy white, with a dark blotch in center	10
2502	**Coal Black** A jet black of truly giant size.. ⅛ oz 35c..	10
2504	**Emperor William** Splendid ultramarine blue with purple eye.. ⅛ oz 35c..	10
2505	**Fiery Faces** (Fire King) Rich scarlet with gold edge and yellow center	10
2506	**Freya** Purple violet with a broad white margin	10
2508	**Lord Beaconsfield** Rich combination of purple and lavender, shading to white near the top.. ⅛ oz 35c..	10
2510	**Madam Perret** Dark wine, pink and red, beautifully veined and all with a white margin	10
2512	**Marechal Niel** (Diana) The flowers are very large, without any blotches or veins and are of the same pleasing delicate cream color as the rose whose name it bears	10
2514	**President Carnot** The ground color is white while each petal has a blotch of dark violet	10
2515	**President McKinley** The ground color is golden yellow, while each petal has a blotch of dark violet	10
2516	**Psyche** The characteristic five velvety blotches are surrounded by a broad white edge curled and undulated	10
2518	**Purple** Of the deepest royal purple known	10
2520	**Siegfried** They are mostly 5 blotched with a clear white margin. The colors are of rich brown shades such as seen in an English Wallflower	10
2522	**Violet Blue** Of immense size and of velvety texture..	10
2524	**Volcano** Color bright dark red, each petal being marked with a very large dark blotch and the edges of the petals are curled like the Masterpiece	10
2525	**Pure White** Pure white without blotches.. ⅛ oz 35c..	10
2526	**White with Eye** Pure white with a large violet blotch on the three lower petals.. ⅛ oz 35c..	10
2528	**Pure Yellow** Pure golden yellow without blotches	10
2530	**Yellow with Eye** A beautiful clear yellow, heavily blotched on the lower petals.. ⅛ oz 35c..	10
2532	**Vaughan's Collection of Giant Pansies.** One packet, containing 50 seeds each, of Emperor William, Coal Black, Fiery Faces, Lord Beaconsfield, Pure White, Pure Yellow, Madam Perret. 7 packets for	25
2555	**Vaughan's Giant Mixture.** Embraces, besides most of the above shades and colors, five special strains not listed elsewhere in this catalog and which can be only had in this and our International Mixture of Pansies. It includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings and the Masterpiece strain with its delicate veinings and ruffled petals. We have spared no expense to secure the newest, richest and finest sorts. ⅛ oz $1.00; 1 pkt 250 seeds 20c; 3 20c pkts 50c.. 125 seeds..	10
2535	**Boulogne Giant Mixture** This is a special selection of a French pansy grower; the flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, colors rich and varied.. 150 seeds	50
2540	**Bugnot Giant Mixture** Of enormous size and circular form, the petals are of great substance and velvety appearance, each bearing a large, deeply colored blotch that runs in delicate veins to the edge.. ⅛ oz 75c..	15
2545	**Cassiers 3 and 5 Blotched Mixed** Mostly light shades with dark blotches.. ⅛ oz 50c..	10
2550	**Masterpiece or Spencer.** The flowers are fluted and curled so as to appear double. Colors are varied and beautiful, and include some new shades.. 100 seeds..	10
2552	**Paris Market, Mixed** This is a fair mixture of giant pansies.. ⅛ oz 30c..	5
2554	**Paris Striped Mixed** A good mixture of striped varieties only.. ⅛ oz 35c..	5
2585	**Orchid Flowered Mixed** The ground color of nearly all the flowers is light, the petals being marked with a large brown or golden yellow blotch which diffuses into rays and veins toward the edge. The upper petals are upright and plaited, resembling orchids. The colors are terra cotta, flesh, orange, rose, pink and lilac	15
2590	**Chicago Parks Bedding Mixed** Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts.. ¼ oz 35c; ⅛ oz 20c..	5
	Tufted Pansies See Viola Cornuta.	
2560	**Vaughan's International Mixture.** This is, and always has been, literally a World's Best Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of its varied colorings, but flowers must come near a high standard of form, which we have set, must be composed of well rounded, perfect shaped flowers, must show a wide range of coloring and markings, must have thick velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with a good healthy growth of plant. While every solid color is represented there are also all the possible variations of each one of these. The whites are blended by stripes, veinings, and shadowings. The same is true of yellows, purples, browns, reds, and other distinct shades, besides many shades of pink, mahogany, fire colored, bronze, gold, etc. This is one of the specialties that has established the reputation of Vaughan's Seeds, and our customers can readily see why it is our most earnest endeavor to make Vaughan's International Pansy better than ever. 3 pkts (750 seeds) 65c· 5 pkts (1250 seeds) $1.00; ⅛ oz $1.75; 250 seeds	25

2592 **PASSIFLORA Coerulea Grandiflora Passion Flower** Pkt
⌓ § 15 ft. Southern Beauty. A beautiful vine for greenhouse and window, called Passion Flower, since tradition sees represented in its flowers the symbols of the Christian Faith..... 10

2595 **PENNISETUM Longistylum** ⊙ 2½ ft. An Abyssinian grass with long feathery bearded bristles.....½ oz 20c.. 10

2596 **Rueppelianum** The spikes are longer and more graceful. An annual in the northern states, and seed should be sown each year.....¼ oz 20c.. 10

2598 **PENTSTEMON Digitalis** 2ℓ 2 ft. Foxglove Pentstemon, spikes of white flowers, with purple throat..... 5

2600 **Hartwegi Grandiflora, Newest Large Flowering** This is a much improved strain of these beautiful flowers. The flowers are very large, very numerous, in shape like a Gloxinia and are borne on long stems. In color they vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged with a fine contrasting color. If sown early will bloom the first year..... 25

2602 **Pubescens** Spikes of bright rosy-purple flowers..... 5

2605 **Pentstemon Mixed** A great variety of kinds and colors 5

Periwinkle See Vinca.

PETUNIA ⊙

For freedom of bloom, variety of color, ease of culture and effectiveness, these rank with Asters, Phlox and Verbenas. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.

Small Flowering Varieties 1½ ft.

2612 **Alba** Pure white.....¼ oz 20c.. 5

2614 **Carmen Sylva** "Baby Blue" Soft reddish purple..... 5

2615 **Countess of Ellesmere** Rose with white throat..... 5

2616 **General Dodds** Blood red.....¼ oz 20c.. 5

2618 **Howard's Star** Regular white star-like stripes on old rose background.....⅛ oz 20c.. 10

2620 **Violet Blue** Deep velvety blue..... 10

2625 **Good Mixed**.....1oz 50c.; ½ oz 30c.. 5

2630 **Finest Mixed**.....¼ oz 25c.. 10

Hybrida Nana Compacta 12 to 15 in.

Dwarf, neat, compact bushes covered with a multitude of flowers all summer long, valuable for edging and formal bedding.

2631 **Gloria** A new valuable addition to the dwarf small flowering Petunias. The flowers are brilliant carmine, a very conspicuous color, and appear in great abundance. Excellent bedding in masses..... 10

2632 **Inimitable** Regular white stars on deep old rose ground. Very effective when planted in masses.....⅛ oz 15c.. 5

2634 **Rosy Morn** Brilliant rose with white star-shaped marking.....⅛ oz 25c.. 10

2635 **Snowball** Pure white.....⅛ oz 25c.. 5

2636 **Dwarf Mixed** The above and others.....⅛ oz 20c.. 10

PETUNIAS—Continued.

Large Flowering Varieties

2640 **Large Flowering Fringed Mixed** A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable brilliancy and variety of color Pkt 25

2641 **Giants of California Mixed** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc.....200 seeds 25

2642 **German Empress,** Giant flower, bluish white, veined purple..... 15

2643 **King Edward.** Deep blood-red, white center, very distinct 15

2644 **Balcony Queen.** Rich, velvety violet with white blotches; one of the most telling sorts for porch and window boxes..... 15

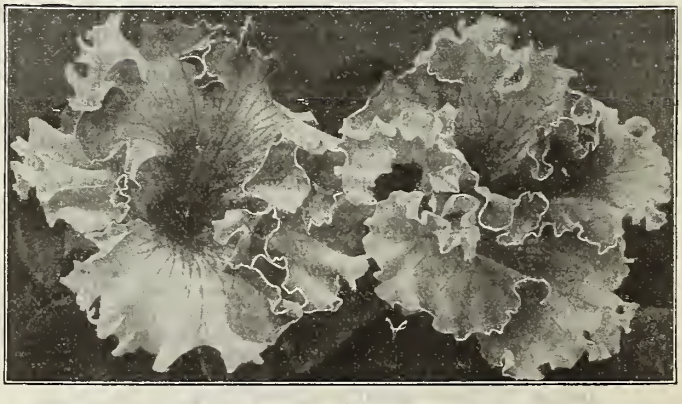
2645 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; the flowers often measure 7 inches across; some of its colors cannot be found in any other mixture..... 25

2646 **Vaughan's Best Mixture of Large Flowering Single Petunias** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive no other Petunia mixture can produce flowers with as wide a range of colors as "Vaughan's Best."..... VAUGHAN'S SPECIAL .....300 seeds 25

2650 **Vaughan's Mixture of Double Petunias** This is a mixture of the best large flowering and fringed double petunias. Seed is saved from plants grown in pots, carefully pollenized and will produce grand flowers. Of course, every one knows only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers..... VAUGHAN'S SPECIAL .....200 seeds 30

2652 **Imported Collection of Double Petunias** 6 varieties 75

2655 **PHACELIA Tanacetifolia** ⊙ 1½ ft. Tansy-leaved, rich deep blue flowers, good for bees.....½ oz 10c.. 5



PETUNIA—Large Flowering Varieties

PHLOX DRUMMONDI—Vaughan's Special Mixture

PHLOX ANNUAL ⊙

The Phloxes are certainly among the showiest and most easily managed of all the annuals. From June until October they maintain an endless display of varied colored flowers. A fine effect is obtained by planting the beds with different colors so they harmonize. The plants will be more bushy and cover the bed better if pinched back when small. Pkt

Drummondi Grandiflora Large Flowering 1 ft. ⊙

2660 **Alba** Pure white....1/8 oz 15c; 100 seeds.. 5
2662 **Alba Oculata** White with eye..1/8 oz 15c; 100 seeds.. 5
2664 **Atropurpurea** Black brown....1/8 oz 15c; 100 seeds.. 5
2665 **Coccinea** Fiery scarlet....1/8 oz 15c; 100 seeds.. 5
2666 **Coccinea Striata** Scarlet striped1/8 oz 15c; 100 seeds.. 5
2668 **Coerulea Striata** Blue striped..1/8 oz 15c; 100 seeds.. 5
2670 **Isabellina** Yellow....1/8 oz 15c; 100 seeds.. 5
2672 **Kermesina Splendens** Vivid crimson.....100 seeds.. 5
2674 **Orbicularis Atrorosea** Dark rose with eye.100 seeds.. 5
2675 **Orbicularis Violacea** Dark blue with eye.100 seeds.. 5
2676 **Rosea** Pink....1/8 oz 15c; 100 seeds... 5
2678 **Rosea Striata** Pink striped....1/8 oz 15c; 100 seeds.. 5
2680 **Rosea Aurea Stellata** Gold Star 1/8 oz 15c; 100 seeds.. 5
2684 **Stellata Splendens** Vivid crimson with white star... 5
2685 **Splendid Mixture** All the above and others.....1 oz 75c; 1/4 oz 25c; 250 seeds.. 10
2686 **Imported Collection** 6 varieties.... 25
2688 **Imported Collection** 12 varieties.... 50
2690 **Drummondi Mixed, Good Mixture** 1/4 oz 15c..... 5
2695 **Cuspidata Mixed** Star of Quedlinburg. Mixture of star-shaped flowers....1/8 oz 15c.. 5

Drummondi Semi-Plena Double Phlox 1 ft.

2702 **Alba** White.... 10
2704 **Isabellina** Yellow.... 10
2705 **Coccinea** Scarlet.... 10
2710 **Mixed** The above and others....1/8 oz 20c.. 10

PHLOX—Continued Pkt

2727 **Vaughan's Special Mixture** Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. A bed of Phlox Drummondi in assorted colors makes a grand display all summer.....1 oz $1.25; 1/4 oz 40c; 1/8 oz 25c; 250 seeds 15

VAUGHAN'S SPECIAL

Drummondi Nana Compacta 8 in. Dwarf Phlox

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall.

2728 **Chamoisrosa** Salmon pink....1/8 oz 35c.. 10
2730 **Coerulea Striata** Blue striped....1/8 oz 35c.. 10
2735 **Fireball** Blood red....1/8 oz 35c.. 10
2736 **Isabellina** Yellow....1/8 oz 35c.. 10
2738 **Leopoldi** Pink center with white eye....1/8 oz 35c.. 10
2740 **Snowball** Pure white....1/8 oz 35c.. 10
2742 **Splendens** Crimson with a white eye....1/8 oz 35c.. 10
2743 **Salmon Star** The flowers, borne in immense trusses, are usually large and of a pleasing salmony rose with a clear white center. Very attractive for bedding..1/8 oz 35c.. 10
2745 **Mixed all Colors**....1/2 oz 75c; 1/8 oz 25c.. 10
2750 **Cecily Mixed** Flowers are immense size, the coloring very bright and nearly all the blossoms display a white eye. Excellent for borders. Plants grow bushy and compact....1/8 oz 50c.. 15

2755 **PHLOX Decussata** 2ℓ 3 ft. **Perennial Phlox** These rank among the finest herbaceous plants for beds and borders. The seed of this germinates very slowly, often requiring 5 to 6 months. Mixture of all finest sorts.... 10

2756 **PHYSALIS Francheti** 2ℓ 1½ ft. **Chinese Lantern Plant** Produces balloon like husks, which turn bright red when ripe and resemble Chinese paper lanterns.... 10

2758 **PHYSOSTEGIA Virginica** 2ℓ 3 to 4 ft. Forms dense bushes with spikes of delicate pink tubular flowers.... 5
2760 **Virginica Alba** White.... 10

Pinks See Dianthus.

PLATYCODON 2ℓ 1 to 2 ft. **Chinese Bell Flower**

Producing very showy flowers during the whole season. They form large clumps, and are excellent for planting in permanent borders or among shrubbery; easily raised from seed.

2762 **Grandiflorum** Large steel-blue flowers.... 5
2764 **Grandiflorum Album** Pure white.... 5
2765 **Coeruleum Plenum** Double blue.... 10
2766 **Album Plenum** Double white.... 10
2768 **Mariesii** Dwarf blue.... 10
2770 **Mariesii Album** Dwarf white.... 10

2775 **POINCIANA Gilliesi** ⌓ **Bird of Paradise** Pretty greenhouse shrub with panicles of golden yellow flowers with vivid red stamens.... 10

Polyanthus See Primula.

PHLOX CUSPIDATA

PLATYCODON

POPPY Vaughan's Special Double Mixed

Perennial Poppies

These Poppies when once planted will last for all time. They differ from the annuals in the original root living and increasing in size, and not from being self-sown from seed dropped the previous year.

		Pkt
2832	**Alpinum** 6 in. The plants grow in low tufts producing many slender flower stalks, bearing lovely flowers in white, salmon, rose or orange. The petals are laciniated, fluted and fringed	15
2834	**Bracteatum** 3 ft. Giant scarlet flowers...¼ oz 15c	5
2835	**Nudicaule, Single Mixed Iceland Poppy** 1 ft. These poppies produce flowers the first year from seed. The colors range from the purest white to the deepest orange scarlet and have a delicious fragrance. Excellent for vase and house decorations...⅛ oz 20c	10
	See also Novelties	
2836	**Nudicaule, Double Mixed**	15
2838	**Orientale, Oriental Poppy** 3 ft. One of the showiest of perennials with enormous scarlet flowers with purple centers. The leaf is long and deeply cut and clothed with white bristly hair. Beautiful among shrubs, roses and other perennials	10
2839	**Oriental Princess Victoria Louise** Large flower, soft lilac rose color	10
2840	**Orientale Hybrida** All shades from softest pink to deepest red	10

Annual Poppies ⊙ 2 ft.

Poppies are noted for their satiny flowers of silk-like texture, in many brilliant color combinations. The foliage is delicate and the blossoms are airily poised on slender stems.

If the flowers are gathered early in the morning when the dew is on them, they will remain fresh in water all day. Plant the seed in succession two weeks apart for a continuous bloom all summer. Mix seed with sand before sowing so as to distribute the seed thinly and evenly when sowing.

SINGLE ANNUAL SORTS

		Pkt
2780	**Admiral** Glistening white, with a broad band of brilliant scarlet around the edges...¼ oz 25c	10
2781	**Black Prince** A beautiful single Poppy of brilliant blackish brown color with a violet hue, contrasting wonderfully with the whitish stamens and the yellowish green seed pods. If cut while in bud they last in water for a long time	10
2782	**Bride** Very large pure white, perfectly formed flowers	10
	California Poppy See Escholtzia	
2784	**Danebrog or Danish Flag** Brilliant scarlet flowers, with a silvery white spot on each petal, forming a white cross	5
2785	**English Scarlet Field** Grows wild in Europe, in the rye fields, together with the blue Cornflower...½ oz 15c	5
2786	**King Edward** A new single Poppy, producing flowers of a deep scarlet, shaded crimson, with a large black blotch at the base of each petal	15
2787	**Persian (Laevigatum) or Firedragon** Dark scarlet black spots...¼ oz 10c	5
2788	**Tulip (Glaucum)** Large tulip-shaped flowers of dazzling scarlet...½ oz 15c	5
2790	**Umbrosum** Rich vermilion flowers with a deep, shining, black spot on each petal...½ oz 15c	5
2792	**Shirley, Silk or Ghost** Shades of rose, pink, carmine and brilliant crimson, many have white edges. ½ oz 15c	5
2794	**Santa Rosa** A selection of the above made by Mr. Luther Burbank, contains a greater variety of color combinations, and named for the originator's home. ½ oz 25c	10
2795	**Vaughan's Special mixture of Single Poppies** This mixture includes all the above choice Poppies and many other kinds not listed. It is really extra choice...¼ lb 70c; 2 oz 40c; 1 oz 25c; ½ oz 15c	10
2830	**Vaughan's Special Mixture of Double and Single Poppies** Comprises not only all the double and single poppies described but also a number of other sorts especially purchased for this mixture, including some entirely new ones...1 oz 30c; ½ oz 20c	10

DOUBLE ANNUAL SORTS

		Pkt
2800	**American Flag** Flowers very large and double.—Snow white, scarlet bordered...½ oz 15c	5
2802	**Fairy Blush** The flowers have the effect of large feathery balls, overcast with a rosy shade...½ oz 15	5
2804	**Giant Double Pure White**...½ oz 20c	10
2805	**Giant Double Yellow**...½ oz 20c	10
2806	**Giant Double Pink**...½ oz 20c	10
2808	**Giant Double Cardinal Red**...½ oz 20c	10
2812	**Mikado** The striped Japanese Poppy; flowers brilliant scarlet and white with elegantly curled petals, like a Japanese Chrysanthemum...½ oz 15c	5
2814	**White Swan** Fringed double white...½ oz 10c	5
2815	**Carnation Flowered Mixture of Double Poppies** Large sized flowers of all shades, many striped. The Opium Poppy...1 oz 15c	5
2820	**Peony Flowered Mixture** Double ball-shaped flowers of gigantic size...1 oz 15c	5
2825	**Rhoeas Fl. Pl. Double French Mixture** The double form of the Shirley type...1 oz 15c	5
2828	**Vaughan's Special Mixture of Double Poppies** This includes all the above sorts, and will produce charming flowers in an endless variety of colors...¼ lb 70c; 2 oz 40c; 1 oz 25c; ½ oz 15c	10

RICINUS—Castor Beans

PORTULACA Rose Moss ⊙ 6 in.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through.

Large Flowering Single Sorts

		Pkt			Pkt
2842	**White**	5	2845	**Pink**	5
2844	**Yellow**	5	2846	**Striped**	5
2848	**Scarlet**	¼ oz 20c			5
2849	**Parana** Extremely large reddish purple flowers				15
2850	**Single Mixed**	1 oz 50c; ¼ oz 15c			5
2852	**Imported Collection of 8 Colors**				25

Large Flowering Double Sorts

2854	**White**	10	2856	**Pink**	10
2855	**Yellow**	10	2858	**Scarlet**	10
2860	**Double Good Mixture**	¼ oz 25c			5
2865	**Double Best Mixture**	⅛ oz 75c			10
2868	**Imported Collection of 6 Colors**				35

2870 **POTENTILLA Hybrida** 2ℓ 1½ ft. Single Mixed. Cinquefoil. 5 lobed leaves, brilliant flowers. 5

2875 **Double Mixed** 10

PRIMULA—Primrose

2880 **Auricula** 2ℓ 6 in. Flowers in early spring in various colors of yellow, brown and red. 10

Chinese Primrose ⌓ 8 in.

This is one of the most charming winter flowering house plants. May be raised very easily from seed by following the cultural instructions on the packet. Leaves are rich green and prettily cut, flowers stand well above the foliage in umbels and have a delicate odor peculiarly their own.

2882	**Covent Garden White** English grown	100 seeds		25
2883	**Orange King** Bright yellow	100 seeds		25
2884	**Giant Pink** English grown	100 seeds		25
2886	**Improved Chiswick Red** English grown	100 seeds		25
2887	**True Blue** English grown	100 seeds		25
2888	**Good Mixture of Single Varieties** French grown.			5

2890 VAUGHAN'S SPECIAL **Vaughan's International Mixture** Our mixture contains all the choicest colors of the single flowering Primulas in all their dainty shades. 100 seeds 15

2892 **Cortusoides Sieboldi** 2ℓ 10 in. Pink shades white eyed, blooms in April. 20

PORTULACA—Rose Moss

PRIMULA—Continued

Pkt

2894 **Forbesi Baby Primrose** 2ℓ ⌓ 10 in. The flowers are very graceful, of the most pleasing rose color with yellow eyes and are borne on erect stems. 10

2895 **Japonica Mixed** 2ℓ 10 in. Japanese Primrose. Bright and showy flowers borne in whorls. 10

2896 **Obconica Grandiflora Mixed** 2ℓ 10 in. The flowers are of a soft lilac, pink, rose, lavender or crimson. It is one of the most useful primulas for pot culture and also succeeds well in the open border during the summer 10

2897 **Gigantea Rosea** Giant flowered pink, for pot culture 25

2898 **Veris Elatior Grandiflora** 2ℓ 10 in. **Polyanthus Large-Flowering Finest Mixture,** sweet scented cowslip. 15

2900 **Vulgaris** 2ℓ 3 in. Yellow primrose. 5

2905 **PUERARIA Thunbergiana** 2ℓ § 50 ft. **Kudzu Vine** or **Jack and the Bean Stalk** Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderfully strong growth. ¼ oz 30c 5

2910 **PYRETHRUM Parthenifolium Aureum** 2ℓ 6 in. **Golden Feather** One of the best plants for edging, grown for its beautiful yellow foliage. More successfully treated as an annual. ¼ oz 20c 5

2912 **Roseum Hybridum Grandiflorum** 2½ ft. **Giant Flowered, Mixed.** The flowers of this strain grow to an enormous size of 12 in. in circumference and present all the beautiful variations of color between light rose, pink and deep carmine. They are splendid cut flowers equally valuable in borders. 15

2913 **Roseum Kelway's Hybrids** A selection made by Kelway and our seed is direct from the originator. Beautiful and varied colors exhibited in the flowers. 25

2914 **Roseum Hybridum Fl. Pl. Double Mixed.** Large flowering double; seed saved from a celebrated collection 25

2915 **Uliginosum** 3 ft. It is literally hidden beneath the multitude of large, white, daisy-like flowers. 10

Reseda See Mignonette.

2920 **RHEUM Palmatum Tanguticum** 2ℓ 3 ft. Ornamental Rhubarb. Grows easily from seed. 5

2925 **RHODANTHE Mixed** ⊙ 1ft. Very beautiful, delicate looking, everlasting. ¼ oz 15c 5

RICINUS ⊙ Castor Bean

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting castor beans in the borders. They leave when they get a scent of this plant.

2930	**Borboniensis Arboreus** 15 ft. Immense plants with green foliage	1 oz 10c		5
2932	**Cambodgensis** 6 to 8 ft. Large palm-like leaves of the darkest bronze maroon; stalk and stem nearly black			5
2934	**Panormitanus** 8 to 10 ft. Huge leaves of a peculiar old bronze shade; stems blue powdered, very ornamental			10
2935	**Sanguineus** 6 ft. Green leaved, red stems and seeds	1 oz 10c		5
2936	**Zanzibariensis Mixed** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage thickly set from top to bottom. The difference between the varieties is in the coloring of the grand bamboo-like stems and the long slender leaf stalks	1 oz 15c		5
2938	**Mixed** Many sorts	1 lb 70c;	1 oz 10c	5

SALPIGLOSSIS

SALVIA Splendens

SCABIOSA—Mourning Bride

2942 **RUDBECKIA Bicolor Superba—Coneflower** ⊙ 2 ft. Pkt
Fine free flowering annual variety forming a dense bush and producing in great abundance on long stems, its bright flowers. The disc is brown, the florets golden yellow, with large velvety brown spots at the base. Very effective and useful for cutting..... 10

2944 **Newmanni** 2ℓ 3 ft. Bright orange yellow petals surrounding a black cone, very floriferous..... 10

2945 **Purpurea Grandiflora** 3 ft. Produces from midsummer until late autumn, large showy, reddish-purple flowers about 4 in. across; a remarkably large cone shaped center of brown, thickly set with golden tips in spiral lines..... 15

SALPIGLOSSIS ⊙ 2½ ft.

Undoubtedly one of the most attractive annuals and should be in every garden. The blossoms are tube shaped much like a Petunia but rivalling the latter in the beautiful colors displayed. Each flower is veined with a glint of gold, and it is the only flower to our knowledge possessing this odd characteristic. Grows easily from seed.

The Salpiglossis is deservedly known as the "Orchid of Hardy Annuals." No other flower grown from seed can compare with the richness and diversity of its colors. If you are not familiar with this try one package and we know your garden will always contain it after you have seen it. Heretofore we have offered this only in mixtures, now we can supply it in the following colors:

2946 **Bright Crimson**... 15
2947 **Faust** Black..... 15
2948 **Lilac and Gold**..... 15
2949 **Pink**..... 15
2950 **Purple Violet with Gold**..... 15
2951 **Velvety Violet**..... 15

2952 **Mixed** Good quality in many colors.....¼ oz 20c.. 5

2955 **Emperor Mixed** Large flowering improved strain, with most complete range of colors.....⅛ oz 20c.. 10

2960 **Vaughan's Special Mixture** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable.....¼ oz 50c 15

2962 **SALVIA Argentea** 2ℓ 3 ft. Silvery foliage with small white flowers..... 5

2964 **Coccinea** ⊙ 2 ft. Annual scarlet sage.....¼ oz 15c.. 5

2965 **Farinacea** ⊙ 3 ft. Tall spikes of silvery lavender blooms from a dense mass of foliage..... 5

2966 **Patens** ⌙ 2 ft. Ultramarine blue, beautiful flowers. Roots may be wintered over inside like Dahlias..... 10
The above four varieties are not for display bedding.

SALVIA SPLENDENS Scarlet Sage ⌙ Pkt

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting to give color. Its best use however is as a hedge or border plant, where long broad bands of intense color are desirable.

2969 **Fireball** 1½ ft. It has larger flowers and is also more free flowering than any other kind. The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes so evenly divided over the foliage and of such erect habit as to hide the foliage. It is the earliest of all, flowering by the middle of July and continuing until frost..... 15

2970 **Clara Bedman or Bonfire** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes.....⅛ oz 50c.. 10

2972 **Drooping Spikes** 2½ ft. This large flowering variety has three times the flowering capacity on each spike of the ordinary Salvia Splendens. The flowers are produced in great numbers causing the spikes to droop by their own weight.....⅛ oz 40c.. 10

2973 **Zurich** Early blooming flowering sage. The plants are dwarf and compact and commence to produce their large brilliant flowers when 3 in. high and bloom until frost..... 20

2974 **Splendens** 2½ ft. The original scarlet sage ¼ oz 30c.. 5

2975 **Mixed** The above sorts and others.....⅛ oz 35c.. 10

3000 **SANVITALIA Procumbens Fl. Pl.** ⊙ 6 in. Small double yellow flowers produced in abundance all summer, excellent edging plant.....¼ oz 20c.. 5

3002 **SAPONARIA Caucasica Fl. Pl.** 2ℓ 8 in. Blush white fragrant flowers, fine for rock work..... 5

3003 **Ocymoides Splendens** 2ℓ 9 in. Small rock plant, bright rose flowers..... 5

SCABIOSA Mourning Bride 2½ ft. ⊙

Commonly known as the "Pincushion Plant" owing to the queer effect of the center of the flower. The outer petals making a ruffle around the cushion, filled with pins, carries out the idea. The flower stems are long and the blossoms keep well in water. The soft shades predominate.

Large Flowering Double

3010 **Snowball**..... 10
3012 **Golden Yellow**.... 10
3014 **Pink**..... 10
3015 **Fiery Scarlet**..... 10
3016 **Azure Fairy**..... 10
3018 **Black Prince**..... 10

3020 **Mixed** The above and many others.....½ oz 20c.. 5

3025 **Caucasica** 2ℓ 2½ ft. Flowers beautiful, soft lavender.... 10

3026 **Alba** White..... 15

STOCKS—Giant Perfection

STOCKS—Beauty of Nice
One of the Best Winter bloomers.

STOKESIA Cyanea

3030 **SCHIZANTHUS Hybridus Grandiflorus** ⊙ 1 ft. Pkt
"The Poor Man's Orchid," neat, pyramidal bushes covered with a multitude of small butterfly like flowers of the most brilliant and striking color designs..... 10

3032 **Wisetoniensis** ⊙ 1½ ft. This variety makes a fine pot plant and can be raised at any time of the year.... 25

3034 **SEDUM Coeruleum** ⊙ 4 in. Blue Stone Crop, fine for carpet bedding..... 5

3035 **SENECIO Elegans Fl. Pl. Mixed** ⊙ 1 to 2 ft. Jacobaea or American Groundsel. Free flowering plant, good for potting..... 5

Sensitive Plant see Mimosa.

3036 **SILENE Armeria Mixed** ⊙ 1½ ft. Catchfly. Summer flowering, suitable for rock work or open border..... 5

3038 **Pendula Mixed** 1 ft. Splendid for spring bedding... 5

3040 **SMILAX** ⌓ § 6 ft. Makes a fine pot plant for fall or winter. Sown in spring is ready in autumn..... 5

Snapdragon see Antirrhinum.

3042 **SOLANUM Capsicastrum Nanum** ⌒ 2 ft. Jerusalem Cherry. Easily grown plants with ornamental fruit. Especially fine for pots, remaining beautiful along time. 10

3044 **Christmas Pepper.** 1 ft. Pot plant grown for the ornamental, bright colored fruit..... 10

3045 **STATICE Latifolia** 2ℓ 1¼ ft. Valuable plants for the border or rockery, with tufts of leathery foliage and immense panicles of minute deep, blue flowers producing a remarkable effect. Blooms from June until September 10

3046 **STEVIA Serrata** ⊙ ⌒ 2 ft. White, star-shaped flowers, leaves fragrant, good cut flower..... 5

3136 **SWAINSONIA Grandiflora Alba** ⌒ 3 ft. Loaded from tip to base with graceful sprays of large, pure white, waxy, sweet pea-like flowers; green acacia-like foliage.. 10

3137 **SHAMROCK.** 2ℓ 6 to 8 in. True stock, imported from Ireland 10

STOCKS LARGE FLOWERING ⊙ Gilliflower Levkojen

The stocks represent all the desirable qualities of a flower. The plants have good habit, fine dull or glossy leaves. The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of all the soft and distinct shades.

Dwarf German 10 Weeks 1 ft.

This class is a favorite for outdoor bedding.

3050	**White**	3055	**Crimson**	
3052	**Canary Yellow**	3056	**Light Blue**	
3054	**Brilliant Rose**	3058	**Purple**	

Each of the above..... 10

3060 **Fine Mixed**..... ⅛ oz 15c.. 5

3070 **Best Mixed**..... ⅛ oz 25c.. 10

3072 **Imported Collection** 6 colors..... 30

3074 **Imported Collection** 12 colors..... 60

STOCKS—Continued

Giant Perfection or Cut-and-Come Again 1½ ft.

Useful for outdoor bedding as well as for pots or cut-flower. They throw out numerous side branches, all bearing very double, fragrant flowers.

3075	**White**	3080	**Scarlet**	Pkt
3076	**Canary Yellow**	3082	**Light Blue**	
3078	**Pink**	3084	**Dark Blue**	

Each of the above..... .10

3085 **Mixed**..... ⅛ oz 40c.. 10

3086 **Imported Collection** 6 colors..... 50

Beauty of Nice 2 ft.

A handsome winter stock of quick growth, flowers of large size. Seedlings will bloom in ten weeks.

3090	**White**	3100	**Mixed**	
3092	**Monte Carlo** Yellow	3094	**Queen Alexandra**	
3095	**Pink**		Delicate rosy lilac...	

Each of the above..... 10

Bismarck 2½ ft.

New; if sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes, with long and large flower stalks. Blooms after the ten weeks stocks have ceased.

3105 **White**..... 15

3108 **Gold Ball**..... 15

3110 **Lavender**..... 15

3131 **Vaughan's Special Mixture of Stocks** Contains all the above and many others not catalogued..... 15

3135 **STOKESIA Cyanea** 2ℓ 2 ft. **Cornflower Aster** Bears from 20 to 30 handsome lavender blue cornflower like blossoms from July until frost..... ⅛ oz 25c.. 10

Sunflower See Helianthus.

Sweet William See Dianthus Barbatus.

3510 **THALICTRUM Adiantifolium** 2ℓ 2 ft. Finely cut maiden hair fernlike foliage and yellow flowers..... .10

3512 **THUNBERGIA Alata Mixed** ⊙ § 5 ft. Black eyed Susan. Beautiful trailing plants for hanging baskets and lawn vases..... ¼ oz 15c.. 5

3515 **TORENIA Fournieri Compacta** ⊙ ⌓ 10 in. Bushy globular plants literally covered with the lovely richly colored, snapdragon-like flowers of a delightful sky-blue They are excellent for beds, pots or hanging baskets.... 10

3518 **Mixed**..... 5

3520 **TRITOMA Uvaria Grandiflora** 2ℓ 3 ft. Red Hot Poker or Torch Lily A most striking and exceedingly ornamental autumn flowering plant. The noble aspect and showy flower spikes from a dense root foliage render them valuable for shrubberies, flower borders. beds or lawns..... 10

SWEET PEAS IN THE HOME

SWEET PEAS IN THE GARDEN

SWEET PEAS—LARGE FLOWERING AND UNWIN TYPES ⊙ 5 to 6 ft.

Below we offer a revised list of this class of Sweet Peas which includes every color known. We have omitted all small flowering and inferior varieties and duplicates under different names. If any one familiar with a name of a variety not catalogued here will write us for it, we can probably send precisely the same shade of color in an improved variety, under one of the names we list here.

		¼Lb.	Oz.	Pkt.
3400	**America,** The brightest blood-red striped white	$ 25	$ 10	$ 05
3403	**Black Knight,** dark maroon	25	10	5
3405	**Blanche Ferry** Pink and white	25	10	5
3412	**Dainty** White with pink picotee edge, unique	25	10	5
3414	**David R. Williamson** Rich indigo blue	25	10	5
3415	**Dorothy Eckford** One of the best white	25	10	5
3416	**Duke of Westminster** Deep rose maroon, overlaid with bright shining violet	25	10	5
3418	**Emily Henderson,** white, early and free	25	10	5
3422	**E. J. Castle** Rich carmine rose, with salmon shadings in the standard	25	10	5
3424	**Evelyn Byatt** Fine orange salmon	25	10	5
3425	**Frank Dolby** Largest and finest pale blue	40	15	5
3426	**Flora Norton** A very bright blue	25	10	5
3428	**Gladys Unwin** Pale rosy pink	40	15	5
3430	**Helen Pierce** Blue with dark grain markings	25	10	5
3434	**Hon. Mrs. E. Kenyon,** yellow	25	10	5
3436	**King Edward VII,** fine scarlet	25	10	5
3438	**Lady Grisel Hamilton,** a standard lavender	25	10	5
3440	**Lord Nelson** Deeper, richer than Navy Blue	25	10	5
3443	**Lottie Eckford** White suffused lavender	$ 25	$ 10	$ 05
3444	**Maid of Honor** White shading to deep lilac at the edges	25	10	5
3446	**Miss Willmott** Rich orange pink, shaded rose	25	10	5
3447	**Mrs. A. Watkins,** large pale pink	25	10	5
3450	**Mrs. George Higginson, Jr.,** delicate light blue	40	15	5
3452	**Mrs. Walter Wright** Beautiful mauve color	25	10	5
3454	**Navy Blue** Deep violet blue	40	15	5
3455	**Nora Unwin** Giant white	40	15	5
3456	**Othello** A beautiful dark brown, chocolate red color	25	10	5
3460	**Prima Donna,** soft pink	25	10	5
3461	**Prince of Wales,** a bright rose, self	25	10	5
3462	**Queen Alexandra** Giant size scarlet	25	10	5
3463	**Rose du Barri,** salmon rose and orange	75	25	10
3465	**Saint George,** brilliant orange scarlet	40	15	5
3466	**Salopian,** dark bright red	25	10	5
3467	**Senator,** chocolate, striped white	25	10	5
3468	**Unique,** white, flaked with light blue	25	10	5
3469	**White Wonder,** the many-flowered white	25	10	5

SWEET PEAS IN MIXTURE

MIXED SWEET PEAS IN SEPARATE SHADES

A bunch of sweet peas of pink or white or dark shades or other colors which harmonize is much more effective than a similiar bunch where all the colors are mixed together. For such as prefer to grow the various colors separate we have arranged the following mixtures out of the finest named sorts.

		lb	¼ lb	oz
3470	**Pink Shades** Light to deep pink	75	25	10
3472	**Red Shades** Bright rose to dark scarlet	75	25	10
3474	**Lavender and Blue Shades** Pale lavender to mauve and heliotrope	75	25	10
3475	**Purple and Maroon Shades** All the dark colors	75	25	10
3476	**White and Primrose Shades** All the delicate tints	75	25	10
3477	**Striped Sorts** Various striped combinations	75	25	10

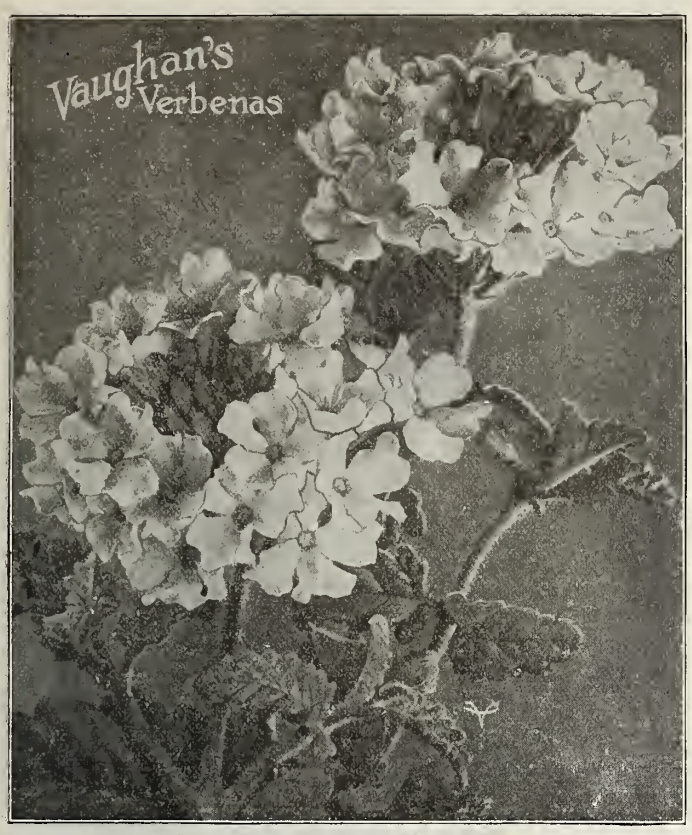
3479 **COLLECTION OF ONE OUNCE EACH OF THE SIX SEPARATE SHADES 40c.**

		oz	pk
3485	**Cupid Mixed** These are low growing or dwarf varieties about one foot high and spreading to about two feet in diameter. The foliage is dark green and the stems are short, usually from three to six inches long	20	10 5
3490	**All Colors Mixed** A fair mixture	60	15 5
3495	**Eckford's Mixture** Contains some of each of the entire list of varieties and cannot fail to give satisfaction	75	20 5

3500 *Sweet Peas*
Vaughan's Prize Mixture

This is the only complete and thoroughly up to date mixture in existence. It is mixed from a carefully prepared formula which is revised each year. The daintiest colors of all the Spencers, Large Flowering and Unwin types as well as darker combinations make a garden planted with these a continued joy and surprise. lb. $1.25, ½ lb. 65c, ¼ lb. 35c, oz. 15c, pkt. 10c

VAUGHAN'S SPECIAL



VERBENA—Vaughan's Best Mixture

VERBENA Hybrida ⊙ 9 in.

Single plants of this pretty annual creeper will carpet a space 8 to 10 in. in diameter with neat foliage and scores of fine flowers. For beds, borders, mounds, vases and window boxes it is particularly fine. and is frequently used for an undergrowth to tall plants like lilies. The plants bloom from early summer to late fall. The best way to raise verbenas is from seed.

		Pkt
3525	**Defiance** The brightest color among Verbenas, a real intense scarlet	5
3526	**Dark Blue with White Eye** Very showy	5
3528	**Striped** Mostly light ground colors with red and blue stripes and streaks	5
3530	**Stellata Carminea** Carmine with a white eye	10
3532	**Stellata Purpurea** Purple and white	10
3534	**Stellata Coccinea** Scarlet with white eye	10
3535	**Good Mixed** 1 oz 60c; ⅛ oz 10c	5
3540	**Extra Choice Mixed** The above and the mammoth sorts and others 1 oz $1.00 ⅛ oz 15c	10

Mammoth Types

A carefully selected and improved strain of Verbenas. The trusses and individual flowers are of the largest size, of brilliant colors; free blooming and of vigorous habit.

3542	**White**	10
3544	**Mayflower** Pink	10
3545	**Striped on White Ground**	10
3546	**Pink and Carmine Shades**	10
3548	**Firefly** Intense red	10
3549	**Purple** Dark purple	10
3550	**Mammoth Mixed** The above and others. ¼ oz 25c	10

3555 **Vaughan's Best Mixture** This embraces all that is choice and desirable in Verbenas. It includes the mammoth flowered strains of three Verbena Specialists the dazzling Defiance, the Mammoth White, Purples, Striped, and all the Auricula flowered varieties with their large umbels of white eyed flowers. We feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the whole summer. 1 oz. $3.00; ⅛ oz 50c; extra large packet 25c. . . . . 125 seeds 15

VAUGHAN'S SPECIAL

TERRE HAUTE, IND., March 7, 1912.—We had great success in growing asters last season, especially with the Smith Peerless and Royal Purple. Other kinds were good also. L. H. MAHAN.

VERBENA—Continued

		Pkt
3556	**Dwarf Mixed** 6 in. Good for edging making an even carpet of blossoms and leaves	10
3557	**Citriodora** 3 ft. Lemon scented Verbena, white	10
3558	**Teucrioides** ⊙ 2 ft. White sweet scented	10
3560	**Venosa** 1 ft. Largely used for bedding purposes, strong, thrifty growers covered with bright purple and heliotrope flowers	5
3575	**VERONICA Spicata** 2ℓ 1½ ft. An elegant hardy border plant bearing all summer, long spikes of bright blue flowers, which lengthen with age	10

VINCA Rosea Periwinkle 1 ft.

Ornamental free blooming plants; seed should be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted and kept in bloom through the winter.

3580	**White**	⅛ oz 15c	5
3582	**White with Eye**	⅛ oz 15c	5
3584	**Pink**	⅛ oz 15c	5
3585	**Mixed**	¼ oz 25c	5

VIOLA CORNUTA Tufted Pansies ⊙ 2ℓ

While the pansy proper is essentially a spring flower, the violas offered here flower throughout the entire season. Sced sown in spring produce flowering plants by June, and from then on until frost they are a sheet of bloom.

3590	**White Perfection**	⅛ oz 25c	10
3592	**Lutea Splendens** Yellow	⅛ oz 25c	10
3594	**Blue Perfection**	⅛ oz 25c	10
3595	**Mixed**	¼ oz 40c	10

3600 **Vaughan's Improved Scotch Pansies** This new strain produces flowers with "faces," every flower having a distinct face, which livens up a bed of them remarkably. The colors range from pale lavender to deep rich purple, with many charming intermediate shades . . . 25

3605 **VIOLA Odorata Semperflorens** 2ℓ 6 in. The true blue sweet violet 10

3608 **The Czar** Large flowering blue 10

3610 **VISCARIA Mixed** ⊙ 1 ft. Pretty plants with a mass of bright open flowers in red, white and blue shades 5

WALLFLOWER Goldlack 1½ ft.

Wallflowers should be better known. Their adaptability for pot culture and out-door bedding and their peculiarly sweet odor, should win favor. They are easily grown and last long as cut flowers. Not hardy in the northern states, should be wintered over in cold frames.

3615	**Single Mixed**	¼ oz 15c	5
3620	**Double Mixed**		10
3622	**Single Annual Mixed** ⊙ Seed sown in the open ground the first of May will commence blooming in July		10

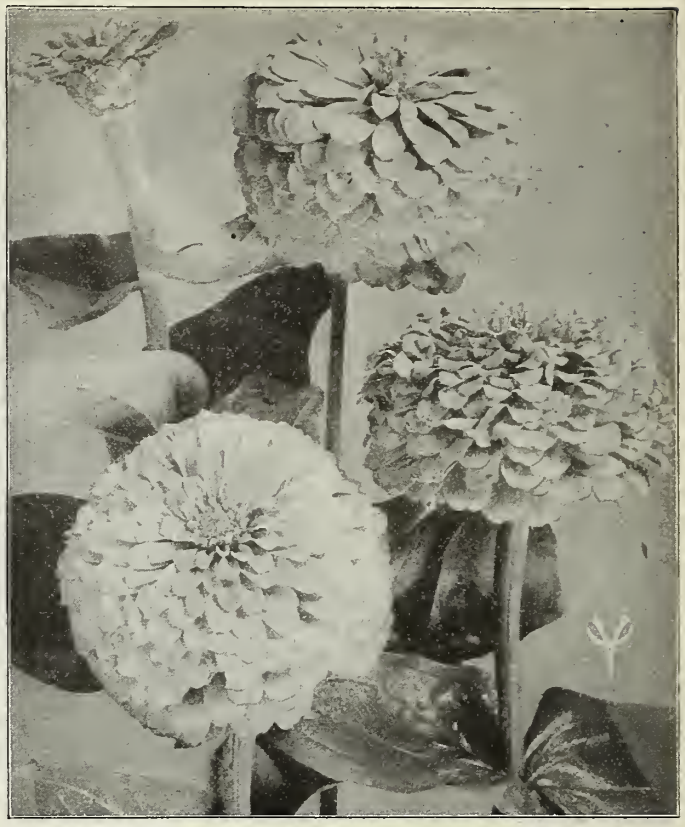
VINCA Mixed

VIOLA CORNUTA
Vaughan's Improved Scotch Pansies

STANWOOD, WASHINGTON, Feb. 26, 1912.—Your Pansies are the best I have ever seen, beats them all.
ARTHUR W. HANSEN.

For Flower Seed Novelties, See Pages 8 to 13.

WILD CUCUMBER



ZINNIA—Vaughan's Giant Flowered

WILD CUCUMBER—Echinocystis Lobata 30 ft. ⊙ §

3636 This is the quickest growing climber on our list. Grows wild self sown, in many parts of the west. Should be sown late in the fall or very early in the spring. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For a trellis or pillar no annual vine is more chaste, and it will quickly cover an old tree or an unsightly building.....1 lb $1.50; ¼ lb 40c; 1 oz 15c; ½ oz 10c.. 5 Pkt

3640 **XERANTHEMUM Double Mixed** ⊙ 2 ft. Very good Everlasting with silvery foliage and silky flowers in pink, white and purple.....¼ oz 15c.. 5

3645 **ZEA Japonica Quadricolor Perfecta** ⊙ 4 ft. Ornamental Japanese Maize, leaves are striped in yellow, green, rose and dark red.....¼ oz 20c.. 5

ZINNIA Youth and Old Age ⊙

The double Zinnia is one of the easiest grown and most showy garden annuals. The plants come quickly from seed and are easily transplanted and make a fine display in a bed or border or among shrubs. Each flower lasts for several weeks, and the plants bloom abundantly until destroyed by frost.

Elegans Fl. Pl. Double Flowered 2½ ft.

3702 **Alba** White.....
3704 **Golden Yellow**....
3705 **Flesh Color**.....
3706 **Rose**.....
3708 **Scarlet**.....
3710 **General Jacqueminot** Blood red
3712 **Zebra Striped**.....
3713 **Double Good Mixed**.....1 oz 25c; ½ oz 15c.. 5
Each of above.....¼ oz 25c.. 10

New Giant Double Flowered or Colossal 3 ft. ⊙

The public will hardly recognize the old fashioned flower in this new guise. The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting. 25

3714 **White**..... 20
3715 **Golden Yellow**.... 20
3716 **Sulphur Yellow**... 20
3717 **Flesh Color**..... 20
3718 **Crimson**..... 20
3719 **Scarlet**..... 20
3720 **Violet**..... 20
3721 **Purple**..... 20
Imported Collection, 8 Varieties as noted above..... 50

ZINNIA—Continued

3728 **Vaughan's Giant Flowered Mixed** This is a mixture of the largest Zinnias; plants are of vigorous growth, about 3 ft. in height and very profuse of bloom. The flowers are extremely double, and very brilliant in color, showing shades not found in any former collection. Be sure and include this in your order.....¼ oz 30c.. 10 Pkt

3730 **Double Crested and Curled** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias.....¼ oz 25c.. 10

3735 **Lilliput Double Mixed** 15 in. The plants form handsome little bushes and fairly bristle with tiny, short stemmed, very double flowers, hardly exceeding a daisy flower in size. They are very pretty plants, bloom all summer until late in the fall.....¼ oz 25c.. 10

3740 **Pompone Double Mixed** 2 ft. A very fine strain, containing many rich colors and shades. The flowers are in size between the Lilliput and the Large flowering varieties.....½ oz 15c.. 5

3745 **Red Riding Hood** 1 ft. Of compact form and covered the entire season with little button-like, intense scarlet flowers not over an inch across; as a border plant it is highly effective.....¼ oz 25c.. 10

3750 **Mexicana Hybrida** 12 in. Flowers the size of a large Daisy, single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the marigold, the gaillardia, and the chrysanthemum. They are extremely free flowering and pretty.....¼ oz 25c.. 10

3755 **Mexicana Hybrida Fl. Pl.** 15 in. Double Miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation.....¼ oz 25c.. 10

3800 **WILD FLOWER GARDEN** A mixture of easily grown annuals, for the decoration of children's gardens, prairies, shrubberies, etc.....1 lb $1.00; ¼ lb 30c; 1 oz 10c.. 5

VAUGHAN'S SPECIAL PURPOSE COLLECTIONS

Are you looking for flowers suitable for cutting, for edging, for shady places? Do you want a number of climbers grown from seed, or a bed of flowers of sweetest fragrance? Do you desire a selection of vegetables that will give you an earlier garden than your neighbors? Or can you use vegetable or flower seeds suitable for some other special purpose? ***If so, consult the Inside Back Cover Page of this Catalogue.***

SINGLE TUBEROUS BEGONIA

Summer-Flowering Bulbs

There is nothing in floriculture that will give greater satisfaction or produce such grand results as this class of bulbs, which includes some of our showiest garden flowers. They are of the easiest culture. Planted in Spring in good garden soil they flower with great certainty during Summer and Fall. The hardy sorts may remain in the ground over Winter, but tender sorts should be taken up after the foliage dies in the Fall and the bulbs stored away in a dry, cool place until planting time the next Spring.

TUBEROUS-ROOTED BEGONIAS

Unexcelled for summer bedding, such as lawn beds and borders. They should be grown more extensively than they now are, for they require no more care than ordinary bedding plants. They will thrive either in full sunshine or partial shade, but when fully exposed to the sun the beds must be kept moist.

SINGLE SORTS. White, Scarlet, Yellow, Pink. **Each, 6c, 4 for 20c, per doz 60c, per 100 $4.00, 250 for $9.00.**

SINGLE MIXED COLORS. **Each 5c, 4 for 18c. per doz 50c, per 100 $3.50.**

DOUBLE SORTS. White, Scarlet, Yellow, Pink. **Each 10c, 4 for 35c, per doz $1.00, per 100 $7.00, 250 for $15.00.**

DOUBLE MIXED COLORS. **Each 8c, 4 for 30c, per doz 80c, per 100 $6.00.**

New Free-Flowering Tuberous Begonias

BERTINI. 10 to 12 inches high; single flowering; elongated petals, vermilion color. The flowers are produced on graceful stems well above the foliage, and for brilliancy of color cannot be surpassed. **Each 20c, 3 for 55c, per doz $2.00, per 100 $15.00.**

CRISTATA. Curious strain of Single Begonias with flowers of good size, bearing on each petal a crest or beard composed of curiously twisted threads which give flowers an interesting appearance. **Each 20c, 3 for 55c, per doz $2.00, per 100 $15.00.**

CARDINAL. 12 to 15 inches high. As grown in our Trial Grounds this variety has proven to be one of the best sun resisting Begonias in existence. Flowers are single, of a dark rosy scarlet, and measure 2½ to 3 inches in diameter. Plants are of strong, vigorous habit and free-flowering. **Each 25c, 3 for 65c, per doz $2.50, per 100 $18.00.**

GRAF ZEPPELIN. Of dwarf habit, 6 to 8 inches in height. Double flowers of rich scarlet. **Each 20c, 3 for 55, per doz $2.00, per 100 $15.00.**

LAFAYETTE. A splendid bedding variety. Flowers are of a most brilliant fiery scarlet, double, and borne upright on their stalks. One of the best for bedding, as it blooms all summer. **Each 20c, 3 for 55c, per doz $2.00, per 100 $15.00.**

NEW AND RARE CALLAS

ELLIOTIANA

Flowers are of a rich golden yellow, often measuring from 4 to 5 inches across. Foliage is the same as that of the well-known Spotted Calla—deep green with white spots. **Each 35c, 3 for $1.00, per doz. $3.50.**

SPOTTED LEAF

Similar to the well-known White Calla, but having its glossy, dark, rich green foliage marked and dotted with numerous white spots. The flowers are pure white with dark throat. **Each 10c, per doz. $1.00.**

CINNAMON VINE

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in one season. **Good Roots, each 5c, per doz 50c, 100 for $3.50. Extra Large Roots, each 10c, 3 for 25c, per doz $1.00, per 100 $600.**

CHILDANTHUS FRAGRANS

Of free flowering habit, with beautiful lemon flowers; very fragrant, being a combination between the Lilac and the Tuberose. **Each 10c, 3 for 25c, per doz $1.00.**

AMARYLLIS

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. When the leaves appear give water and plenty of light; after flowers are off and leaves have started to turn yellow withhold water and put pot away from light. Do not start growth again until bulb shows signs of life itself, which it will do (even when soil is perfectly dry) by pushing out new leaves.

BELLADONNA MAJOR. Fine variety for fall blooming very free flowering and fragrant. Flowers, which are a lovely shell pink color, are borne on stems 2 to 2½ feet high. **Selected Bulbs, each 25c, per doz $2.50, by express at purchaser's expense.**

VITTATA HYBRIDS. These are unnamed seedlings, secured from that famous hybridizer Luther Burbank. The flowers **cannot be surpassed for their richness of color and markings;** spikes are usually from 2 to 3 feet in height, bearing from 3 to 5 enormous trumpet shaped flowers, measuring sometimes 10 inches across. Something new and distinct in Amaryllis and should be given a trial by everyone. **Each 50c, 3 for $1.25, per doz $4.75, 25 for $7.50, by express at purchaser's expense.**

JOHNSONI. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong, fleshy spikes, and are of rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. **Large Bulbs, each 25c, 3 for 60c. Mammoth Bulbs, each 40c, 3 for $1.00, by express at purchaser's expense.**

FORMOSISSIMA. One of the most popular of the Amaryllis family. Flowers are of a beautiful dark scarlet, strangely marked. Planted outdoors after danger of frost is over will bloom during the summer, and if lifted in early fall can be carried over winter like Gladiolus. **Large Bulbs, each 10c, 3 for 25c, per doz 90c, by express at purchaser's expense.**

APIOS TUBEROSA

Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria flower; are very fragrant and of a deep purple color. **2 for 10c, 5 for 20c, per doz 45c, per 100 $2.50, postpaid.**

CALADIUM ESCULENTUM

(*ELEPHANT'S EAR*)

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants. Will thrive in any ordinary garden soil, but to get the best results plant in rich soil and give plenty of water.

FIRST SIZE BULBS. 1½ to 2½ inches in diameter. **Each 7c, 3 for 18c, per doz. 60, per 100 $4.00. Postage 3c each.**

SELECT SIZE BULBS. 2½ to 3 inches in diameter. **Each 10c, 3 for 25c, per doz 85c, per 100 $6.00. Postage 5c each.**

EXTRA LARGE BULBS. 3 to 4 inches in diameter. **Each 15c, 3 for 40c, per doz $1.50, per 100 $10.00. Postage 10c each.**

MAMMOTH SIZE. Beautiful bulbs. **Each 25c, 3 for 70c. per doz $2.50, per 100 $15.00. Postage 15c each.**

FANCY LEAVED VARIETIES. Fine for decorating the conservatory, greenhouse and window boxes, also for planting outdoors when ground has become warm. **Our Selection of Varieties, each 30c, 3 for 80c, 6 for $1.50, per doz $2.50, postpaid.**

Showing Tropical Effect Obtained from Planting in Border.

FIELD OF VAUGHAN'S GLADIOLI IN BLOOM.

GIANT FLOWERED—Childsii Type

Tbere are positively no Gladioli in the world that equal the best named kinds this Grand Class, perfected and developed hy the world's greatest Gladiolus expert, the late Edward V. Hallock.

ALINE. Pure white, slightly striped crimson; flower is wide open. **Each 30c; doz. $3.00.**

ATTRACTION. Deep rich crimson, with large white center and throat. **Each 10c; Doz. $1.00.**

BLANCHE. Large pure white flowers with but faint markings. Plant is of medium height and is rarely hlown over. **Each 15c, doz $1.50.**

BRILLIANT. Orange red, carmine and white throat. **Each 6c, doz 60c.**

CARDINAL. Large handsome spike; color, clearest and most intense scarlet. **Each 15c, doz $1.50.**

COLUMBIA. Light orange, scarlet, blotched and penciled with hluish purple. Throat freely mottled. **Each 7c, doz. 70c.**

DEBORAH. Dark red, tinged with amaranth. **Each 10c, doz $1.00.**

HENRY GILLMAN. Salmon scarlet, white bands. **Each 5c, doz. 50c.**

IRENE. Pink flaked with crimson, open flower. **Each 8c, doz 75c.**

I. S. HENDRICKSON. Large handsome spikes, color an irregular mottling of white and pink. **Each 10c, doz $1.00.**

KATE. Fine hlush white, crimson blotch in tbroat. **Each 5c, doz 50c.**

MOHONK. Dark pink, spotted throat; large. **Each 10c, doz $1.00.**

MRS. BEECHER. Beautiful deep rosy crimson, well opened flower, pure white throat freely marked and spotted. **Each 20c, doz $2.00.**

SCRIBE. A grand Childsii; beautiful large well opened flower, tinted white, carmine stripes. **Each 15c, 3 for 40c, doz $1.50.**

SUNLIGHT. Light crimson with canary yellow throat. **Each 10c, doz $1.00.**

SUPERB. Large flower, pink, flaked and striped with salmon pink. **Each 5c, doz 50c.**

VARIABILIS. Blue-hlack flaked pink. **Each 8c, doz 75c.**

WILD ROSE. Strong grower, color hrigbt, delicate rose; flowers early under glass. **Each 15c, 3 for 40c, doz $1.50.**

SPECIAL OFFER No. 600B: Two each of the following six varieties sent hy mail postpaid for **75c. Blanche, Columbia, Cardinal, Mohonk, Kate. I. S. Hendrickson.**

SPECIAL OFFER NO. 500B: Two each of the following six, mailed postpaid for **50c. Augusta, Ceres, Eugene Scribe, Klondyke, Madam Monneret, Shakespeare.**

GLADIOLI of Other Types

AUGUSTA. Pure white, blue antbers. **Each 4c, doz. 40c. 100 for $2.50.**

BARON J. HULOT. Dark velvety purple flower of Lemoine Type, tall and slender. Flowers thickly set on spike. Best hlue. **Each 15c, 3 for 40c, doz.** $1.50

BRAHMA. Large well opened flower of a fine carmine red slightly glazed with ashy-gray, a large pure white hlotch on the two lower petals. **Each 25c, doz. $2.50.**

BRENCHLEYENSIS. Intense fiery scarlet. Very showy. **Each 3c, doz. 25c, 100 for $1.75.**

CANARY BIRD. Clear canary yellow. **Each 10c, doz $1.00.**

CERES. White, spotted purplish rose. **Each 3c, doz 30c, 100 for $1.75.**

CHAMONT. Lilac shaded purple. **Each 10c, doz $1.00.**

CHICAGO RED. Rich blood red, yellow streak in center three lower petals. **Each 25c, 3 for 65c, doz $2.50.**

CHRYSOLORA. Golden yellow, fine variety. **Each 25c, doz $2.00.**

CONTRAST. Color intense scarlet, with large pure white center. Flowers are of great suhstance. **Each 30c, doz $3.00.**

DAWN. Beautiful shell pink, fine cut flower. **Each 20c 3 for 55c, doz $2.00.**

EMMA THURSBY. Striped carmine, on white ground. **Each 8c, doz 80c.**

EUGENE SCRIBE. Tender rose, hlazed carmine red. **Each 8c, doz 75c.**

GLORY OF BRIGHTWOOD. Scarlet, lemon throat. **Each 8c, doz 75c.**

GOLDEN QUEEN. New, bright cream color, witb a clean-cut diamond-shaped hlotch of carmine. Holds its strong color hetter than most yellows after maturing. Flower wide open and of good quality. **Each 15c, doz $1.50.**

JESSIE. Rich velvety red, fine spike, early hloomer. **Each 5c, doz. 50c.**

KLONDYKE. Light yellow, with crimson maroon hlotch. A very desirable variety for cut flowers. **Each 10c, doz $1.00.**

MADAM MONNERET. Rose color. **Each 5c, doz 50c, 100 for $3.00.**

MAY. Pure white, flaked rosy crimson. **Each 5c, doz 50c.**

MEPHISTO. Large spike. early flowering. Tbe center of the flower is a coppery scarlet, fading out towards the tips of the petals into dark carmine. The whole flower is tiger-spotted with fine dots of reddish hrown; 5 to 6 blooms are open at a time. **Each 25c, doz $2.50.**

PROSERPINE. Large well expanded cherry red flowers, hig white hlotches on lower petals, anthers lavender. **Each 30c, 3 for 80c, doz $3.00.**

SHAKESPEARE. Blush white with large rosy blotch. **Each 8c, doz 75c, 100 for $5.00.**

SULPHUR KING. One of the best and clearest yellows, fine large spike. **Each 20c, doz $2.00.**

GLADIOLUS MIXTURES

It is a well-known fact that some varieties of Gladiolus multiply much more rapidly than others, and as a result Gladiolus grown in mixture, unless very carefully watched, will deteriorate very rapidly. Recognizing this fact, we make all of our mixtures of these bulhs ourselves, using named varieties and mixtures of proven merit. By this method we can safely promise our customers satisfaction when huying our mixtures.

VAUGHAN'S SEEDLINGS

We make up this assortment from unnamed seedlings of our own and from several Gladiolus specialists. This mixture contains excellent values. **Price, 4 for 15c. doz 40c, postpaid; by express, 50 for $1.25, 100 for $2.00, 2.50 for 4.00.**

BLUE HYBRID SEEDLINGS

This mixture is the result of sowing seeds of the hest blue shades ohtainahle from Europe and this country, and the variation of colors is heyond description. **Prices: Each 10c, 3 for 25, doz 75, prepaid; 100 $5.00 by express.**

GOOD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in ordinary mixtures offered by us, and we do not intend to send out any mixtures, even of our cheapest, that will not make a brilliant showing in the gardens of our customers. This one, our cheapest, whicb we call "GOOD MIXED," will be found satisfactory everywhere excepting in the flower beds of the most critical. They are useful for mixed beds, borders and wbere large masses are to be planted. **Price, 4 for 12c, doz 30c postpaid; by express 50 for 90c, 100 for $1.50, 250 for $3.00, 500 for $5.50.**

GIANT "CHILDSII FINE"

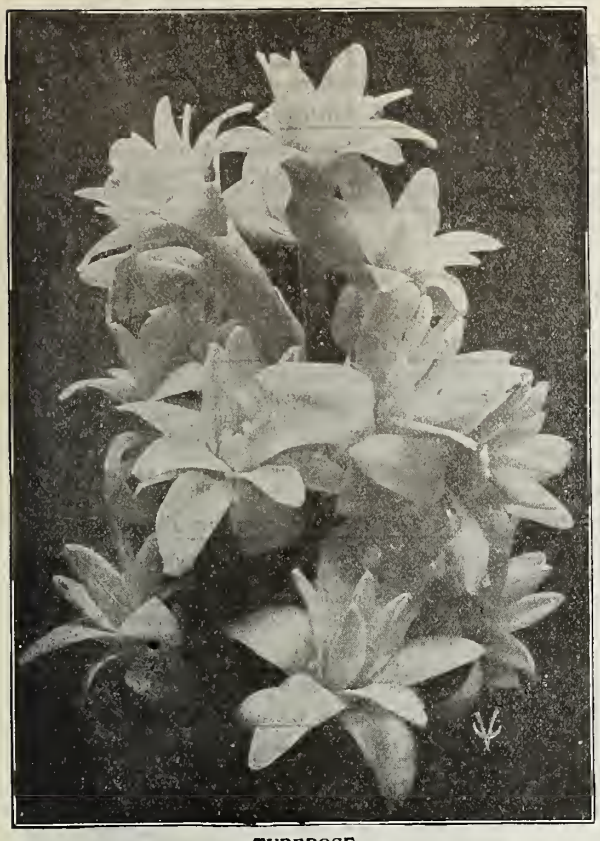
Tbis mixture contains a very complete range of all the splendid Childsii varieties. Included in this are many Childsii seedlings not yet named. **Price, 4 for 20c, doz 50c, postpaid; by express, 50 for $1.75, 100 for $3.25.**

EXTRA FINE

This splendid mixture is grown for us hy Gladioli specialists each year, and besides the mixture as originally grown many choice new kinds, including some Childsii, are added to the stock before sending it out to our customers. Tbis insures a wide range of colors, shades and types. **Price, 4 for 20c, doz 50c, postpaid; by express, 50 for$1.65, 100 for $2.85.**

RAINBOW MIXTURE

This name has heen cbosen hy us for the highest quality hlendings of the many excellent named varieties shown on tbis page, including Cbildsii kinds witb several other choice varieties of which we do not have sufficiently large quantities to offer in our catalogues. This is the best mixture we can make up and we helieve unexcelled hy that offered by any other American firm. **Price, 4 for 25c, doz 70c, postpaid; by express, 50 for $2.25, 100 for $4.00, 250 for $9.00.**



TUBEROSE

TUBEROSES

One of the best known and most easily grown summer flowering bulbs. Easily recognized by its exquisite fragrance and beautiful flower spikes which are borne on long stems, making it an admirable cut-flower for house decoration. If started in pots and then transplanted to open ground can be had much earlier. Handling as we do a million of these each season, mainly for our wholesale and export buyers, enables us to select the **choicest bulbs** which the market produces for our catalogue trade.

EXCELSIOR DWARF PEARL—Mammoth

Our Mammoth Excelsior Dwarf Pearl is a special selection made for many years of the most dwarf, double and full flowered spikes and is exceptionally sturdy and dwarf in habit. This "Mammoth strain" is positively the highest type of the Tuberose. The kind to grow if you desire "prize" blooms. **Price, each 7c, 4 for 25c, per doz 65c, postpaid; by express, each 5c, per doz 50c, per 100 $3.00. We supply 25 and over at the 100 rate.**

FIRST SIZE BULBS—**3 for 15c, per doz 50c, postpaid; by express, 3 for 12c, per doz, 35c, per 100 $2.00.**

SECOND SIZE BULBS—All-flowering; often sold by so-called "bargain stores" under the name "first-class." **6 for 15c, per doz 25c, postpaid; by express, 6 for 12c, per doz 20c, per 100 $1.00.**

ARMSTRONG'S EVER-BLOOMING

This variety blooms year after year and produces single pure white flowers of a fragrance similar to that of the "Jasmine." It makes a splendid cut-flower and should be in every one's garden. **Each 7c, 4 for 25c, per doz 60c, postpaid.**

SILVER-LEAVED—This is an early single kind, with striped leaves, making a grand show on account of its striking foliage. **Each 5c, per doz 50c, postpaid.**

ALBINO—New branching single variety, blooming much earlier than the old single variety; fine for cut-flowers. **Each 5c, per doz 40c, postpaid.**

GLOXINIAS—New Giant Flowering Hybrids

Beautiful tuberous rooted plants of dwarf habit and one of the most useful pot plants for indoor culture. Flowers are trumpet-shaped, borne erect above the leaves and of exceedingly rich coloring and marking, ranging from deep scarlet to violet blue.

Use part leaf mold and sand in potting, as they like a light soil. Be careful in watering so as not to wet the leaves, otherwise they will spot and the plant will lose part of its beauty.

EMPEROR FREDERICK—Red, with a pure white border.

MONT BLANC—Pure white. *DEFIANCE*—Rich crimson-scarlet.

EMPEROR WILLIAM—Violet-blue, with white throat tinged and spotted; beautifully streaked and spotted.

Each 12c, 3 for 35c, doz $1.25, prepaid. Mixed Colors, ea 10c, 3 for 25c, doz $1.00, prepaid.

ISMENE CALATHINA

This curious plant throws up its flower spikes as soon as growth commences and before the leaves appear. Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Treat bulb same as Gladiolus. **Each 15c, 3 for 40c, per doz $1.50.**

MADEIRA VINES

One of the best and most popular climbers, not for the flower which is insignificant, but for its leaves which are small dark green and very dense. Vine is of slender growth and will succeed in any location, doing best however, in a sunny sheltered place. Not hardy and roots should be taken up in fall. Strong Tubers. **Each 5c, 3 for 12 cents, per doz 40c, postpaid; 25 for 75c, 100 for $2.50 by express.**

MONTBRETIAS

One of the brightest and best of Summer flowering bulbs. Plant in clumps of six to twelve bulbs in May or June. They greatly resemble the Gladioli in growth and produce beautiful spikes of star-shaped flowers in various shades of orange, yellow and red. Mixed varieties, **3 for 10c, per doz 30c, 100 for $2.00, postpaid.**

SUMMER FLOWERING OXALIS

These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous show of bloom. Pure white, pink or red. Either color. **Per doz 10c, 35 for 25c, 100 for 50c, postpaid.**

SPIDER LILY, PANCRATIUM

Beautiful flat clusters of large pure white flowers. the petals of which are narrowed and wide spread, giving each a "spidery" effect. They have a sweet fragrance that is not oppressive. Price, large bulbs, **each 15c. doz $1.50.**

ZEPHYRANTHUS

One of the prettiest and most easily grown bulbs for pot culture. Plant three or four bulbs in a five or six-inch pot. Treat in garden same as a Gladiolus.

ROSEA—Beautiful clear rose; flowers large and very handsome; blooms all summer. **Each 5c, doz 50c, postpaid.**

CANDIDA—Pure white and the most profuse bloomer of all. **3 for 10c, per doz 30c, 100 for $2.00, postpaid.**

SURPRISE COLLECTION

85 BULBS FOR $1.50

SENT BY EXPRESS AT BUYER'S EXPENSE

12	*Madeira Vines*	12	*Montbretias*
7	*Hyacinthus Candicans*	36	*Oxalis in Three Colors*
3	*Zephyranthus Candida*	3	*Ismene Calathina*

12 *Tube Roses Dwarf Pearl*

HYACINTHUS CANDICANS

(*SUMMER HYACINTHS*)

Splendid bulb for planting in the perennial border, being perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, borne on stalks four feet high. Plant in rear on account of tall growth. **Each 5c, 3 for 12c, per doz 45c, postpaid; by express, 25 for 80c, 100 for $3.00.**

IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat; foliage is luxuriant. One of the best climbers for northern latitudes.

FIRST SIZE ROOTS—**Postpaid, 15c, per doz $1.50.**

EXTRA SIZE ROOTS—**By express, each 25c, per doz $2.50.**

GLOXINIA

LILIUM AURATUM

Hardy Garden Lilies

AURATUM—Gold Banded

The most beautiful and popular variety of all the Lily family; should be in every garden. Illustration on this page is taken from a photo of a plant grown from one bulb in the garden of one of our customers. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant.

	Postpaid. Each.	Three.	By Express, Purchaser's Expense. Doz.	25	100
First Size, 8-9 in.	$0 20	$0 50	$1 40	$2 00	$ 7 00
Mammoth, 9-11 in.	35	95	1 75	3 00	11 00
Monster, 11-12 in.	50	1 35	2 50	4 50	16 00

SPECIOSUM ALBUM—White

Splendid companion variety for Auratum and Rubrum.

Pure white, with beautiful recurved petals, very fragrant. This, with Rubrum and Melpomene, belongs to the Speciosum section. By Express.

	Postpaid. Each.	Three.	Purchaser's Expense. Doz.	25	100
First Size, 8-9 in.	$0 35	$0 95	$1 75	$3 00	$11 00
Mammoth, 9-11 in.	50	1 35	3 00	5 00	18 00

SPECIOSUM RUBRUM—Crimson Banded

We consider this the most satisfactory of the Speciosum class. Once planted in a favorable location will last for years. Flowers are white with a deep rosy crimson band on each petal, with deeper colored spots between. They are 5 to 6 inches in diameter, very fragrant, and have all the hardiness of the Speciosum class. By Express.

	Postpaid. Each.	Three.	Purchaser's Expense. Doz.	25	100
First Size, 8-9 in.	$0 20	$0 50	$1 40	$2 00	$ 7 00
Mammoth, 9-11 in.	35	95	1 75	3 00	11 00
Monster, 11-12 in.	50	1 35	2 50	4 50	16 00

SPECIOSUM MELPOMENE

A most beautiful variety. Flowers frosted white, spotted, clouded and bearded with pinkish crimson. Petals are recurved and widely bordered. By Express.

	Postpaid. Each.	Three.	Purchaser's Expense. Doz.	25	100
First Size, 8-9 in.	$0 20	$0 50	$1 50	$2 25	$ 8 00
Mammoth, 9-11 in.	35	95	1 85	3 25	12 00

AURATUM PLATYPHYLLUM. A marked improvement over the old Auratum. Flower large, often measuring 10 in. across. **Each 25c, doz $2.50, 100 $20.00.**

CANADENSE (Meadow Lily) Graceful, drooping, bell-shaped, red and yellow flowers typical of our northern meadows, perfectly hardy. Fine bulbs, **each 10c, doz, $1.00, postpaid.**

HENRYI. Bright apricot yellow with Speciosum form, tall growing, free flowering. **Each 60c postpaid, $6.00 per doz.**

ELEGANS MIXED This large showy lily, bright orange red, has proven hardy and effective for both beds and borders. **Each 10c, 3 for 25c; doz $1.00, postpaid.**

LILIUM HANSONI Flowers reddish orange, 8 to 12 in a cluster; petals thick and durable; a native of Japan, and although in price a trifle high, this beautiful lily should have a place in every garden. Under favorable conditions it attains a height of 3 to 4 ft. **Each 35c postpaid; per doz $3.00, by express at purchaser's expense.**

LILY COLLECTION

12 BULBS

One each of the most hardy and desirable sorts

Postpaid, for $1.75

LILIUM HANSONI

PARDALINUM (*Leopard Lily*). Rich scarlet and yellow flower spotted with rich brown. Robust and free-flowering. A superb lily; gives greatest possible satisfaction; succeeds in all situations. **Each 12c, 3 for 30c, per doz. $1.20, postpaid; by express, 25 for $2.25; per 100 $8.00.**

SUPERBUM The finest of the native Lilies. Fowers bright orange-red, thickly spotted with purple. Remarkable for immense height (often 8 feet) and profusion of bloom: a strong plant bearing from 20 to 30 flowers. **Each 10c, Per doz. $1.00, postpaid; by express, 25 for $2.00, per 100 $7.00.**

TENUIFOLIUM (*Siberian Lily*). A native of Siberia. One of the very hardiest Lilies; flowers vivid scarlet, with petals reflexed; very showy and free flowering, blooming early in the spring. It is very easy of cultivation, requiring only a well drained sandy soil. **Each 15c, doz. $1.50. Postpaid.**

TIGRINUM SPLENDENS (*Improved Single Tiger Lily*). Very hardy native Lily; orange-red, spotted purple-black. Pretty and bears 8 to 20 flowers when well established. **Each 10c, per doz. $1.00, postpaid; by express, 25 for $2.00, per 100 $7.00.**

TIGRINUM FLORE PLENO. The well-known double Tiger Lily; grows from 4 to 6 feet high, and bears an immense number of bright orange flowers. **Each 12c, per doz. $1.25, postpaid; by express, 25 for $2.25, per 100 $8.00.**

UMBELLATUM. A splendid hardy Lily, and should be found in every garden; it makes a beautiful companion to L. Candidum, as it comes into bloom at the same time, and they make a rich combination of color if planted together. Colors range from deepest red through all shades of crimson, rose, yellow, buff, apricot; blooms about June 20. **Each 15c, per doz $1.50, postpaid; by express, 25 for $2.50, per 100, $9.00.**

LILIUM RUBRUM

LILY-OF-THE-VALLEY

No garden is complete without a bed of these fragrant flowers. Should be planted in a shady place, where if left to themselves they will spread and increase rapidly. For planting outdoors the clumps are generally used, the pips being for indoor forcing; they, however, will give good satisfaction planted outdoors, as each pip contains a flower, which is not always the case with the pips found in the clumps.

LARGE IMPORTED CLUMPS. Planted in a shady, moist situation, being one of the hardiest of flowers, they require little or no protection. **Each 30c, per doz. $3.00, 25 for $5.50; by express or freight at buyer's expense. If wanted by mail, add 20c each for postage.**

COLD STORAGE PIPS FOR GREENHOUSE FORCING. Finest imported quality. Prompt delivery, any quantity, but not less than 250 pips at a time.

Price, 250 for $6.00, 500 for $11.00, 1000 for $21.00 by express.

Plants by Parcels Post. While seeds, bulbs, plants, roots and scions will continue to be mailed as in the past at the third class rate of one cent for every two ounces or fraction regardless of distance, under the new parcel post law the weight which may be so mailed has been increased from four to eleven pounds. The maximum size of the package is governed by the parcel post rules.

PLANT DEPARTMENT

Unless instructed to the contrary, all orders are forwarded by express, at buyer's expense

Plants by Mail. Small plants, **when ordered at the "each" price,** will be sent free by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. At the purchaser's expense, but at 20% less than the general merchandise rate. We strongly urge this method of transportation as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges.

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. or Canada when sent **by express.** If forwarded in any other manner they are entirely at the risk of the purchaser.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

A GRAND COMBINATION BED OF CASTOR BEANS, KING HUMBERT CANNA, PENNISETUM LONGISTYLUM, S. A. NUTT GERANIUM AND MME. SALLEROI GERANIUM

Combination Bed—10 Feet in Diameter

Center.....1 Castor Bean

1st row, 36 in. Diameter, 6 Canna King Humbert.....18 in. apart
2nd row, 66 in. " 14 Pennisetum Longistylum.....15 in. apart
3rd row, 90 in. Diameter, 23 Geranium S. A. Nutt.....12 in. apart
4th row, 106 in. " 40 Geranium Mme. Salleroi.....8 in. apart

Small Size plants, $6.50; Large Size plants, $9.00. By express at buyer's expense. Larger Sized beds priced on request.

We do not hesitate to recommend this bed to our customers as being very desirable not only for furnishing a fine variety of plants which harmonize well at a very low cost, but also because it may be increased in size easily without losing its proportions and attractiveness. In fact we find that the larger sizes are better because its beauty is emphasized.

It must be borne in mind that the Castor Bean, Pennisetum, and Mme. Salleroi Geraniums are rapid growing and come to maturity sooner than the rest of the plants in the collection and nothing is to be gained by getting large plants of these. It is for this reason and no other that we do not attempt to supply plants of these larger than those from 2½-in. pots. This must be understood when we quote on the "Larger Size."

BEDDING PLANTS

☞ Do not plant these varieties until all danger of frost is over. Stock is ready for shipping about May 1st.

Prices for single plants, from small pots, include postage; larger plants, from 3-in. pots and up, dozen and hundred lots are expressed at buyer's expense.

Where "each" price is **10 cents,** we supply **3 for 25 cents.**
Where "each" price is **15 cents** we supply **3 for 40 cents**
Unless otherwise noted, all plants are from 2½-in. pots.

	Each	Doz.	100
ABUTILON Savitzi. Leaves variegated green and white. 12-18 in. For borders	$0.10	$1.00	$7.00
AGERATUM, Little Blue Star. Flowers intense blue. 6 to 8 in. For borders	.10	1.00	7.00
3 in. pots	.15	1.50	10.00
ALTERNANTHERA, Green or Red foliage. 4 to 6 in. For carpet bedding and edging	.10	1.00	6.00
ALYSSUM, Little Gem. Pure white, sweet, 4 to 6 in. For borders	.10	.75	5.00
ANTIRRHINUM, Vaughan's Select Strain. Tall. Pink, red, white, yellow or mixed	.10	.75	5.00
ASTERS, Vaughan's Giant Branching. Lavender, red, rose, pink, shell pink, purple, white or mixed. Transplanted seedlings	.05	.30	2.00
Pot grown, 2 in	.10	.60	4.00
BEGONIA, Fairy Queen. Flowers, deep pink, changing to rose; leaves, green. 10 to 12 in	.15	1.50	10.00
Luminosa. Bright scarlet. Red foliage	.15	1.50	10.00
Vernon. Flowers, bright red; leaves, dark red	.15	1.25	8.00
CALADIUM Esculentum. (Elephant's Ear.) Started plants, 5 in. pots	.30	3.00	20.00
Started plants, 6 in. pots	.40	4.00	30.00
Fancy Leaved. (See House Plants.)			
CASTOR OIL BEAN PLANT. (Ricinus) Green or **red** foliage plants for center of beds. Tall	.10	1.00	6.00
CENTAUREA Gymnocarpa. (Dusty Miller) Grayish leaves. 8 to 12 in. For borders	.10	1.00	6.00

Where "each" price is **20 cents** we supply **3 for 50 cents.**
Where "each" price is **25 cents** we supply **3 for 65 cents.**
The ultimate heights of the various border plants are indicated.

	Each	Doz.	100
COLEUS, Anna Pfister. Bright yellow and crimson. 12 to 14 in	$0.10	$1.00	$6.00
Black Prince. (New). Similar in size and shape of leaf to the Pfisters but so dark as to be almost black	.15	1.50	10.00
Golden Bedder. Large yellow leaves. 12 to 14 in	.10	1.00	6.00
John Pfister. Crimson edged with gold. 12 to 14 in	.10	1.00	6.00
Verschaffelti. Large dark crimson leaves. 12 to 14 in	.10	1.00	6.00
COSMOS, Early Flowering. Crimson, pink, white or mixed. Fine for cut-flowers	.10	1.00	6.00
Lady Lenox. Late, shell pink. Large flowers	.10	1.00	6.00
Late Giant Flowering. Crimson, pink, white or mixed	.10	1.00	6.00
DAISY, English, Mammoth. Pink or white	.10	1.00	5.00
DRACAENA Indivisa. Long narrow green leaves; centers of vases, beds and window-boxes. 4 in. pot plants	.25	2.50	
Larger plants, **each 50 cents, 75 cents and $1.00.**			
ECHEVERIA. (Hen and Chickens) Grayish. For carpet bedding	.15	1.25	8.00
FEVERFEW, Double White	.10	1.00	7.00
Golden Feather. 4 to 6 in. For borders	.10	.75	5.00
HELIOTROPE Centefleur. Dark purple	.10	1.00	6.00
Mammoth Mixed 4 in. pots	.20	1.75	12.00
LOBELIA, Bedding Queen. Dark blue	.10	.75	5.00

COBAEA SCANDENS

One of the most beautiful of the rapid growing annual climbers.

WHITE MOON VINE

A handsome annual climber which should be widely planted.

VERBENA TYPES OF "VAUGHANS BEST"

A trailer adapted to many uses. A strong grower and a free bloomer.

BEDDING PLANTS—Continued

	Each	Doz.	100
MARGUERITE, Mrs. F. Sander. (New) Large pure white	$0.15	$1.50	$10.00
4-in. pots	.25	2.50	18.00
Queen Alexandra. Pure white	.15	1.25	8.00
4 in. pots	.25	2.00	15.00
MUSA Ensete. (Banana Plant.) Larger Plants at **50 cents** and **$1.00.**	.35		
PANICUM Plicatum. Variegated green and white, 2 to 2½ ft. For borders of Canna beds	.15	1.25	8.00
PANSY, Vaughan's International Mixture. Transplanted seedlings		.50	3.50
PENNISETUM Longistylum. Graceful white plume, 12 to 18 in. For borders of Canna beds	$ .10	$1.00	$7.00
Ruppelianum. Purplish plumes. Beautiful foliage 3 ft. For borders of Canna beds	.10	1.00	7.00
PETUNIA, Purity. Double white	$0.15	$1.50	
Rosy Morn. Rose with white markings	.10	1.00	$ 6.00
Finest Double Mixed	.15	1.50	
Single Fringed Mixed	.10	1.00	6.00
PHLOX Drummondi. Pink, scarlet, white and mixed	.10	.75	5.00
SALVIA. (Scarlet Sage.)			
Drooping Spikes, 2½ft.	.10	1.00	6.00
Fireball, 1½ ft.	.10	1.00	6.00
Zurich, 15 to 18 in	.10	1.00	6.00
3 in. pots	.15	1.25	8.00
4 in. pots	.20	1.75	12.00
VERBENA Hybrida. Mammoth pink, purple, scarlet, white or mixed	.10	.75	5.00
Lemon Scented. Delightful fragrance	.15	1.50	

DECORATIVE AND HOUSE PLANTS

ANANAS. Sativus Variegatus. (Variegated Pineapple.) In style of growth it resembles the Pandanus, the leaves being a bright green margined a rich creamy yellow slightly tinged red toward the serrate edge. A most handsome plant for room decoration as well as for the greenhouse and conservatory. 3-in. pots ready for a shift, **each, $1.50.**

ARAUCARIA. (Norfolk Island Pine.) 12 in. high, **$1.00 each.** Larger Plants at **$1.50, $2.00, $3.00** and **$5.00 each. all by express.**

ASPARAGUS Plumosus, (Lace Fern.) Fine for table decoration. **15 cents each, postpaid.** Larger plants, **25 cents and 50 cents each, by express.**
Sprengeri. Suitable for hanging baskets and porch boxes. **15 cents each, postpaid.** 4 in. pot plants, **25 cents each, by express.**

ASPARAGUS HATCHERII. (New.) An improvement on Plumosus, which it resembles, being a stronger and more rapid grower. Each, **20 cents.** Larger plants, **25 cents and 50 cents each, by express.**

ASPIDISTRA Green or Variegated. (Iron Plant.) $1.50 and $2.00 each, by express.

AUCUBA Japonica Variegata. (Gold Dust Plant.) A valuable decorative plant worthy of more attention. Much prized for hall or porch decoration. The foliage is large, of rich glossy green, thickly spotted with yellow, increasing in beauty as it grows older. 15 to 18 in. high, **$1.00 each, 3 for $2.75;** 24 to 30 in. high, **$2.00 each, 3 for $5.50, all by express.** If wanted in tubs add **50c** to the above prices.

CALADIUMS, Fancy Leaved. Dry bulbs, 1½ to 2 inches in diameter. For window boxes, show plants or greenhouse growing, this is one of the most decorative plants. Rich, thrifty leaves, handsomer than Begonias; marbled, veined and striped with white, pink and dark red. Bulbs should be started into growth about April 1st, in a warm house. **Each 30c; 6 for $1.50; doz., $2.75, postpaid.**

CROTONS. The richest of all variegated plants, equally adapted to indoor culture or outdoor bedding. Small plants, **each 30 cents; doz., $3.00.** Larger plants, **each 50 cents; specimens, each $1.00, $1.50, $2.00** and **$3.00, by express.**

CYPERUS ALTERNIFOLIUS. (Umbrella Plant.) Excellent house or aquatic plant. 3-in. pots, **each 15 cents;** 4-in. pots, **each 25 cents.**

DIEFFENBACHIA.
Magnifica. Foliage shining green, beautifully variegated with pure white spots. **Each 50 cents, $1.00 and $1.50, by express.**

DRACAENA Indivisa. Much used for vases, window-boxes and hanging baskets. 4-in. pot plants, **each 25 cents; doz., $2.50, by express.** 5 in. pot plants, **each 50 cents; doz., $5.00 by express.**
Lindeni, Massangeana and **Terminalis** in various sizes for conservatories. **75 cents to $2.00 each, by express.**

FERNS. Boston. Long gracefully drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals. Very beautiful and well adapted to house culture. **20 cents each; 3 for 50 cents, postpaid.** Larger plants **50 cents, 75 cents, $1.25.** Specimens, **$3.00** to **$6.00. All by express.**
Maiden Hair. (Adiantum Hybridum.) 20 cents each; 3 for 50 cents, postpaid.

Roosevelt. Similar to Boston but with undulated pinnae. **Each 20 cents; 3 for 50 cents, postpaid.** Larger plants, **75 cents and $1.25 each, by express.**

Small Ferns for Dishes. We sell thousands of these handsome ferns, dwarf in habit, for fern dishes. One each, 8 distinct varieties. **15 cents each, 3 for 40 cents; 10 for $1.00, postpaid.**

Whitmani (Ostrich Plume Fern.) Finely divided fronds resembling a plume. **20 cents each; 3 for 50 cents, postpaid.** Larger plants, **75 cents and $1.25 each, by express.**

PANDANUS (Screw Pine.) Useful as specimens or for centers of vases and window-boxes.
Utilis. Green leaves, red spines. **50 cents and 75 cents each, by express.**
Veitchii. Variegated green and white. **$1.00, $2.00 and $3.00 each, by express.**

HYDRANGEA Otaksa. Deep rosy pink flowers in large clusters. Fine for porch and lawn decoration. 2-year at **50 cents each;** 3-year at **$1.00 each.** Specimens in tubs, **$3.00 and $5.00, all by express.**

Ask for prices and information about the new French sorts for November delivery.

PALMS. In **Kentias, Latanias** and **Phoenix** we have a choice line of plants at **50 cents** each and up, and shall be glad to submit prices on sizes to suit.

PHOENIX Roebeleni (The Iron Palm.)
This may truly be styled the Iron Palm as it is absolutely the hardiest of the decorative plants. It is more hardy than the Kentia and has a beauty that no other palm possesses. Its foliage is fine and has a grace and airiness greater than the remarkable Cocos which it has replaced both as individual specimens and as centers of fern dishes.

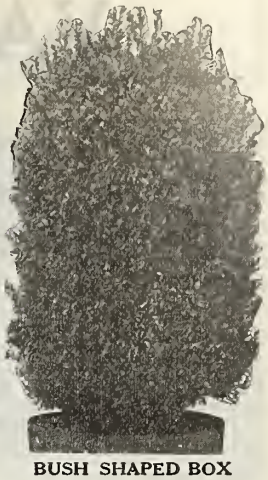
Inch pots	Inches high	Each	Inch pots	Inches high	Each
3	6 to 8	$0.50	5	12 to 15	$2.00
4	10	1.00	6	18	3.00
			7	20	4.50

Specimens, very bushy in 8-in. tubs, each $6.00.

STANDARD BAY TREE

PYRAMIDAL BOX TREE

GLOBE SHAPED BOX TREE



BUSH SHAPED BOX

BAY TREES

There is nothing to approach these handsome trees for decorating porches, piazzas or hall entrances and they are largely used for stately effects in formal gardens.

The oval leaves are a dark olive green and sweet scented. Will stand only slight frost. We handle a large stock of valuable and shapely specimen trees grown in standard and pyramidal form.

Standard or Tree Shaped

Stem.	Crown	Each	Pair
30 to 36 in.	24 in.	$ 9.00	$16.50
42 to 45 in.	26 in.	10.00	18.00
42 to 45 in.	28 in.	12.00	22.00
42 to 45 in.	30 in.	15.00	28.00
45 to 48 in.	34 in.	18.00	34.00
45 to 48 in.	40 in.	22.00	40.00

Dwarf Standards

Stem	Crown	Each	Pair
12 in.	30 in.	$10.00	$18.00
18 to 20 in.	24 in.	9.00	16.50
24 to 30 in.	24 in.	10.00	18.00

Pyramidal Trees

Height	Base	Each	Pair
5 ft.	24-26 in.	$10.00	$18.00
6 ft.	26-28 in.	15.00	28.00

BOX TREES

Sheared into compact shape these Box Trees make beautiful specimen plants in any form which can be used for all decorative purposes like the Bays, but at less expense. The Bush plants can also be used with telling effect for window boxes. All except the bush shaped plants are in new green tubs.

	Each	Pair
2½ ft. Pyramid	$ 2.50	$ 4.50
3 ft. Pyramid	3.00	5.50
3½ ft. Pyramid	4.00	7.00
4 ft. Pyramid	5.00	9.00
5½ ft. Pyramid	8.50	16.00

Globe Shaped

Stem	Crown	Each	Pair
15 in. high	15 in. diameter	$3.50	$6.00
18 in. high	18 in. diameter	4.00	7.00

Bush Shaped

Height	Each	Pair	Doz.	100
10-12 in.	$0.40		$3.50	$30.00
18 in.	.85	$1.60	9.00	
24 in.	1.50	2.50		
30 in.	3.00	5.50		

HALF HARDY OR SUMMER VINES

	Each	Doz.	100
AIR POTATO. (Dioscorea Fargessi.) A slender Vine of rapid graceful growth, producing a thick foliage of heart shaped leaves of a beautiful glossy green, large and showy. Small white flowers in drooping racemes give way to small potatoe-like tubers in the axils. These and the roots may be stored over winter like the Dahlias. Small size	$0.10	$0.75	
Large size	.15	1.50	
COBAEA Scandens. (Cathedral Bells.) Purplish lilac flowers, bell-shaped, prolific bloomers. Rapid grower. 3 in. pot plants	.20	2.00	$15.00
4 in. pot plants	.30	3.00	
IVY, English. Beautiful evergreen vine. For hanging baskets, window-boxes and vases	.15	1.25	8.00
4 in. pot plants	.25	2.50	18.00
German (Parlor Ivy.) 2 in. pot plants	.15	1.25	8.00
3 in. pot plants	.20	1.75	12.00
MOONFLOWER. Blue (Ipomoea Leari.) A beautiful satiny blue	.15	1.50	10.00
3 in. pot plants	.20	2.00	15.00
White. Large flowers	.15	1.50	10.00
4 in. pot plants	.25	2.50	18.00
MEXICAN. (Ipomoea Paniculata.) A grand climber, palmate leaves of a deep green. Flowers are a handsome shade of pink, darker in throat. Treat roots like Dahlias. 2½-in. pots	.25	2.50	18.00
4-in. pots	.40	4.00	
MADEIRA VINES. A popular climber. Strong tubers	.05	.40	2.50
SMILAX. Fine for festoons and other decorations	.10	1.00	6.00
VINCA Major Variegata. For basket and vase 3 in. pot plants	.20	2.00	15.00
4 in. pot plants	.25	2.50	18.00
5 in. pot plants	.35	3.50	
Minor, (Grave Myrtle.) Evergreen	.15	1.50	10.00

WEEPING LANTANA. A trailing sort for vases and hanging baskets. Delicate rosy Lilac flowers are borne freely summer and winter. **Each, 10c; 3 for 25c; per doz., $1.00.**

SURPRISE COLLECTIONS OF CHOICE PLANTS

All orders for these Surprise Collections will be acknowledged and entered on our books as received. We shall commence sending out the same by **MAY 25,** except where noted, and all will be sent within two or three days from date. We cannot send them out before the above mentioned date.

This, then, is the object of offering these "Surprise" Collections regardless of value. The plants are not inferior or worthless stock, but are often **valuable high-priced varieties.** The consumer is therefore able to get much for little and no spot should be allowed to grow wild, untilled.

Surprise "Canna" Collection

10 DIFFERENT VARIETIES OF THE NEW EVER-BLOOMING CANNAS

For 75c, prepaid

Includes crimson, scarlet, yellow spotted, gilt edged, orange, bronze-leaved, large flowering kinds.

Surprise "Dahlia" Collection

12 for 75c, prepaid

We will include in this collection 12 Dahlias selected from our grand collection of varieties. All different. This collection would be cheap at double the price.

Surprise Collection Bedding Plants

20 bedding plants, such as Ageratum, Lobelia, Verbena, Begonias, Cosmos, Geraniums, Cannas, etc.

For $1.00 by express at your expense

Surprise Shrub Collection

Ready May 1st

For $1.00 we send 6 Hardy Ornamental Shrubs, our selection of sorts, 2 to 3 feet high by express at your expense. These will be first-class bushes.

Surprise Collection Garden Roses

(See page 104)

Surprise "Geranium" Collection

10 BEAUTIFUL GERANIUMS

For 75c, prepaid

Single and double from 2½ in. pots.

Surprise Chrysanthemum Collection

12 CHRYSANTHEMUMS
ALL DIFFERENT AND DISTINCT SORTS

Ready May 20th

For 75c, prepaid

This collection will be made up of best sorts only.

Surprise Collection Hardy Perennials

Ready May 1st

For $1.00 we will send by express, at buyer's expense, 20 **Choice Hardy Perennial plants,** all different, regular price $1.50 per dozen.

For Vaughan's Special Purpose Collections of Vegetable and Flower Seeds see Inside Back Cover Page, opposite Page 160.

VAUGHAN'S CANNAS

BED OF VAUGHAN'S CANNAS

Our Canna fields at Western Springs when in bloom during August and September make a grand showing and present a wonderful blaze of color. They attract thousands of visitors, both professional and amateur. Last year we grew over tenacres of standard sorts and novelties, besides 1,000 seedlings. Canna culture is one of our main specialties now as it has been for over twenty years. Our Cannas have won important prizes wherever exhibited, Chicago, Omaha, Buffalo, and St. Louis Fairs.

These Cannas have painted in gorgeous colors—in scarlet, yellow and bronze—the yards of the finest homes, the station grounds and the parks all over the land. Their foliage is tropical and effective; the big flower spikes are always a mass of bloom from July 4th until frost.

In our list of sorts will be found all the old standard kinds, and many of the best novelties, the inferior varieties being discarded every year as the merits of the newer ones are proven. These are all of the large and free flowering Crozy type, and embrace the entire range of color known to this remarkable class of plants.

Our Canna Prices for single plants, from 2½ in. pots, 3 of a kind and dozen lots include postage (if wanted sent in that manner), larger lots and plants from 3, 4 and 5 in. pots are sent by express at buyer's expense.

Culture—Cannas should be planted in good, rich garden soil, mixed with half of old rotten stable manure by the end of May, when danger from frost is past. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds.

NEW CANNA—Vaughan's Giant White

The flowers of this new Canna, of which we hold the entire originator's stock, is of the purest ivory white. The spikes and flowers are of immense size, the petals measuring 2½ in. in diameter. The flowers do not burn in the hottest sun. The foliage is strong, vigorous and of a bright dark green.

Price each, $1.50; 3 for $4.00.

FIREBIRD

FIREBIRD-The best red-flowered green-leaved Canna

This is by all means the very best red-flowered, green-leaved Canna today. The flowers are borne in immense trusses, on strong stalks well above the leaves. They are of splendid form, round and shapely. The petals measure 2½ inches and over across, and the color is a clear glistening scarlet without any streaks, spots or blotches.

We have seen and tested many varieties during the 30 years we have devoted to their culture and have never seen one that can approach it. Visitors at our greenhouses last summer will remember it as Seedling III.

Our stock is limited. Order early!

3-inch pot plants, ready May 1st. **Each $3.00.**

VAUGHAN'S COLLECTION OF CHOICE VARIETIES

Adolph Grimminger. 4½ ft. Foliage broad dark green. Flowers of enormous size, brilliant light carmine. A very effective color. The flower heads are loose and of immense size. **Each 50c, 3 for $1.00.**

Charles Lutz. 4½ ft. A magnificent new sort, foliage large, vigorous and of a healthy green. Flowers very large yellow, might describe this as a green-leaved, yellow-flowering King Humbert, because it has the same massive foliage and immense flowers. **Each 50c, 3 for $1.00.**

Garam. 3½ ft. Foliage green, of magnificent growth, trusses very large, flowers of magnificent build, fiery carmine, cinnabar red. **Each 25c; 3 for 65c; doz., $2.50.**

Gladioflora. 3½ ft. Green foliage. Crimson changing to carmine rose edged with gold. Petals are rounded and wide, overlapping each other. **Each 25c; 3 for 65c; doz., $2.50.**

Halley's Comet. 3 to 4 ft. Green foliage. Blazing scarlet, pure yellow in the throat with a narrow thread of gold around each petal's wavy edge. **Each 50c; 3 for $1.00; doz., $4.00.**

Hungaria. 3½ ft. Very compact; almost dwarf and of a very luxuriant growth. Leaves bluish green, never burns. Trusses of enormous size, borne well above the foliage. Flowers very large with very broad petals. Color purest La France pink with satin sheen. The most delicate pink in Cannas. **Each 50c; 3 for $1.00; doz., $4.00.**

John Farquhar. 4 ft. Foliage bright, metallic brown red of particular beauty. Flowers salmon red streaked orange. The flowers which are borne well above the foliage form a beautiful contrast over the magnificent foliage. **Each 25c; 3 for 65c; doz., $2.50.**

Julius Koch. 3 ft. Foliage dark green. Flowers composed of four broad, well rounded, large petals and of the most brilliant blood-red. One of the best reds in our collection. **Each 25c; 3 for 65c; doz., $2.50.**

Mrs. Alfred Conard. 4 ft. Green foliage. Flowers salmon pink of large size on finely shaped flower heads which are borne well above the foliage. **Each 50c; 3 for $1.00; doz., $4.00.**

Mrs. Carl Kelsey. 6 to 7 ft. Green foliage, orchid flowering with narrow edge of purple. Orange scarlet flaked and striped with golden yellow petals which have a wavy edge. **Each 25c; 3 for 65c; doz., $2.50.**

New Chicago. 4½ ft. Color most brilliant and striking scarlet, without any bluish cast. Strong vigorous grower. **Each 25c; 3 for 65c; doz., $2.50.**

Pfitzer's Meteor. 4 ft. A clear orange scarlet, strong robust grower and extra free flowering. **Each 25c; 3 for 65c; doz. $2.50.**

Prince Wied. 3 ft. Foliage dark green, flowers of extra size, borne in massive clusters and of a fiery velvety blood-red. One of the best dwarf red Cannas. **Each 25c; 3 for 65c; doz., $2.50.**

Stuttgartia. 4½ ft. Broad leaves, dark green, of majestic growth, flowers glowing orange-scarlet with canary-yellow band and peculiarly marked and mottled. The mammoth flowers are borne on strong stems and are carried erect above the foliage. The variety has the size of Orchid-flowering Cannas, as well as the richness of the Crozy types. **Each 25c; 3 for 65c; doz., $2.50.**

Special Offer 883 A. One each of the above 14 Cannas, strong plants, for **$4.00, by express,** at buyer's expense.

Special Offer 883 B. One each Hungaria, King Humbert, and Prince Wied, strong plants, for **65c, postpaid.** (See illustrations.)

VAUGHAN'S BEDDING CANNAS

KING HUMBERT (The Best Bronze-Leaved Canna)

KING HUMBERT

King of the Bronzed-Leaved Cannas

Giant Flowered. Orange Scarlet. Bronze Leaf.

This remarkable "Gold Medal" Canna has been the sensation of the past six years. It is a cross between the Orchid flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free-blooming character of the other, the handsome leathery foliage with a strong, noble habit. It has the broadest leaves.

It is so distinctly in advance of any other Canna, that the demand for and use of it has become universal. We have taken the highest awards with it wherever shown in competition. For it we received a gold medal at St. Louis; it was the central figure in our "Grand Prize Exhibit." Be sure to order this one.

	Each	3 for	Doz.	100
2½ in. pots	$0.15	$0.40	$1.25	$ 8.00
3 in. pots	.20	.50	1.50	10.00
4 in. pots	.25	.65	2.50	18.00
5 in. pots	.40	1.10	4.00	25.00

ORCHID FLOWERING VARIETIES

Allemania. 4 to 5 ft. Green foliage. The outer petals are scarlet, with broad yellow border. Inside of bloom scarlet and dark red.
Burbank. 5 ft. Green foliage. The flowers are gigantic in size. Toward the inner part the petals show fine crimson spots; all the rest of the flower is of a rich canary-yellow.
Frederic Benary. 5½ to 6 ft. Green foliage. An early bloomer. Its flowers are currant red with orange throat and yellow edge.
Louisiana. 6 ft. Very large beautiful vivid scarlet Orchid-like flowers, often measuring 5 to 6 in. across. Foliage a glossy green.
New York. 5 ft. Dark bronze foliage, with the Orchid type of flowers. Will stand the hot sunshine as well as the toughest varieties of Cannas. The color is a solid rich scarlet covered with a beautiful glowing sheen.
Wyoming. Bronze foliage. Flowers a beautiful shade of orange.

CRIMSON AND SCARLET SHADES WITH GREEN FOLIAGE

Beaute Poitevine. 3½ ft. Large crimson flowers of a beautiful shade, much admired.
Chas. Henderson. 4 ft. Crimson flowers. Good bedder. Roots winter well.
Comte de Sachs. 4 ft. One of the very best. Early and free. Color clear crimson scarlet. Flower heads large.
Feuermeer. 5 ft. Deep green foliage. Very free and robust grower, throwing up many strong flower spikes. Early. Blooms large and of a clear crimson scarlet without markings.
2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00; 100, $15.00.**
Milwaukee. 3½-4 ft. Flower rich, deep maroon, darker than the Duke of Marlborough. We find it the darkest of all Cannas.
Papa Nardy. 4½ ft. Very free flowering. Large rounding flowers of a beautiful purplish crimson. 2½ in. pot plants, **each 25c; 3 for 65c; doz., $2.50.**
The Express. 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna.

BRONZE-LEAVED VARIETIES

David Harum. 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.
Director Freudeman. 3½ ft. Foliage brown red, flowers scarlet with orange reflex.
Discolor. 6-8 ft. Used for foliage effect, musa-like foliage.
Egandale. 4 ft. Bronze foliage. Considered by experts the best in this class. Strong, compact flower spikes. Color currant red.
Graf. Waldersee. 4 ft. Large flowers of orange scarlet. Fine show. 2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00; 100, $15.00.**
Leonard Vaughan. 4¼ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.
Montreal. 4 ft. A new French Canna which is almost an exact counterpart of King Humbert, having the same rich red vigorous leaves of mammoth dimensions, the same large flower head and gigantic blooms, but the color is distinct, being a rich vermilion scarlet. 2½ in. pot plants, **each, 20c; 3 for 50c; doz., $2.00; 100 $15.00.**
Wm. Saunders. 3½ ft. Rich bronze foliage. Flowers a deep rich, shining scarlet. 2½ in. pot plants, **each 20c., 3 for 50c.; doz. $2.00; 100, $15.00.**

PINK WITH GREEN FOLIAGE

Betsy Ross. 3½ ft. Compact bushy habit. The flowers are large and of a beautiful soft pink.
Venus. 3½ ft. A soft rosy pink with a pretty mottled border of creamy-yellow.
Wawa. Pure soft pink. A very free bloomer. 2½ in. pot plants, **each 20c; 3 for 50c; doz., $2.00.**

GILT EDGE VARIETIES

All with Green Foliage and Scarlet Flowers with Yellow Edges.
Long Branch. 5 ft. The flowers resemble a giant flowering Queen Charlotte in the Orchid-flowering class, being bright crimson with wide, irregular border of yellow which stands the sun equally as well as King Humbert.
Mad. Crozy. 3½ ft. Vermilion with gold border. The sort which popularized the Canna.
Multiflora. Very bright vermilion with a narrow golden yellow border. Extra free bloomer, carrying three and four perfect flower spikes at one time.
Queen Charlotte. 4 ft. Rich orange-scarlet with a broad gilt edge.
Souv. de A. Crozy. 4 ft. The flowers are scarlet-crimson bordered yellow.

YELLOW SHADES GREEN FOLIAGE

Buttercup. 3½ ft. A true bright buttercup yellow, large.
Dwarf Florence Vaughan. Similar to Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, golden yellow, thickly dotted with bright red.
Florence Vaughan. 5 ft. The most famous of all Cannas. It still remains the best type of new Cannas. The flowers are rich golden yellow, thickly dotted with bright golden red.

WHITE SHADES GREEN FOLIAGE

Frau Maria Nagel. 3 ft. Loosely formed flowers of a creamy white fading to pure white.
Improved Mont Blanc. Large pure white. The plant is very robust and carries its flower well above the foliage. 2½ in. pot plants, **each 20c; doz., $2.00; 100, $15.00.**

PRICES: The above Cannas except where noted

	Each	3 for	Doz.	100
2½ in. pot plants, postpaid	$0.15	$0.35	$1.25	$ 8.00
3 in. pot plants, by express	.20	.50	1.50	10.00
4 in. pot plants, by express; this size will be ready May 15, will commence to bloom in a short while	.25	.65	2.50	18.00

VAUGHAN'S CANNA BED COLLECTIONS

Note that we offer the plants in two sizes.
Small size, from 2½ in. pots. **Larger size,** from 4 in. pots, ready to bloom.

Planting. Place a stake in the center of the bed and with a radius of 18 in. mark the first row of Cannas. Set the plants 18 in. apart in the row. Increase the radius by 18 in. for each successive row. Plants other than Cannas require different distances.

CANNA BED No. 1

Round, 7 ft. across. 1 Florence Vaughan (for center); **6 Egandale,** bronze (middle row); **12 Mad. Crozy** (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid
The 19 plants, small size	$1.75	$2.00
The 19 plants, large size, ready to bloom	3.00	3.50

CANNA BED No. 2

Round, 7 ft. across. 1 David Harum, bronze (for center); **6 Dwarf Florence Vaughan** (middle row); **18 Salvia Zurich** (outside row). One of the prettiest possible beds.

	Not prepaid	Prepaid
The 7 Cannas and 18 Salvias, small size	$2.25	$2.50
The 25 plants, large size	3.75	4.00

CANNA BED No. 3

Round, 10 ft. across. 19 King Humbert (for center and two rows); **36 Pennisetum Longistylum** (outside row), from 2 in. pots. **This bed complete** (the Cannas from 3 in. pots), **$5.00, by express.**

CANNA BED No. 4

Round, 10 ft. across. 19 King Humbert (for center and two rows); **21 Caladium Esculentum** (outside row, 15 in. apart), from 5 in. pots. **Complete** (the Cannas from 3 in. pots) **$7.00, by express.**

Diagram showing how to plant will be sent with each shipment of Canna beds.

We recommend the following as most desirable for beds of solid colors. For round Canna beds 7 ft. in diameter, 19 plants; 10 ft. 37 plants; 13 ft. 61 plants.

Beaute Poitevine
Buttercup
David Harum
Egandale
King Humbert
Milwaukee
Souv. de A. Crozy
Betsy Ross
Comte de Sachs
Dwarf Florence Vaughan
Florence Vaughan
Mad. Crozy
The Express

LARGE FLOWERING CHRYSANTHEMUM

HARDY CHRYSANTHEMUM

HARDY POMPON CHRYSANTHEMUM

CHRYSANTHEMUMS

VAUGHAN'S NOVELTY SET FOR 1913

Price, each 20c, 3 for 50c, except where noted. Set of 6 for $1.25 postpaid with culture phamplet.

Artistic Queen. A light rose pink similar to Wm. Duckham when seen at its best. The blooms are loosely incurved of the largest size, resting upon heavy foliage and supported by a very rigid stem. Height, 4 ft. **Each 35c, 3 for 85c.**

Hirondelle. A bright rosy lavender. Very large, round, incurved with broad petals, good stems and foliage. A fine keeper.

Nontero. Commercial white of exceptional merit, loosely incurved, perfect stem and foliage, maturing November 1st when good whites are scarce. Height , 4 ft. Best buds September 5th; blooms from late buds have a slight tinge of pink in the center.

Pink Gem. Pleasing shade of pink, incurved flowers about 6 inches in diameter, perfect form, ideal stem and foliage and wonderful substance, placing this variety in the front rank of the commercial sorts. Height, 4 ft.

Ramapo. American seedling of Col. Appleton, which will take the place of that variety. It has all the good points of Appleton, the same color, splendid stem, foliage right up to the flower, and never shows a top-knot as does Appleton. We strongly recommend this variety as a first-class yellow. **Each 35c, 3 for 85c.**

White Gloria. A sport from Gloria, identical in every particular except color, which is white with a slightly creamy cast.

EXHIBITION SET

Price 20c, any 3 for 50c. The "Exhibition Set" of 6 for 85c, postpaid.

Chrysalora. The best yellow for early October. Fine incurved form with perfect stem and foliage up to the flower.

December Gem. A ball-shaped Japanese white, with pink stripe on edge of petals, giving a pink or pearly tint to the blooms. Strong stem with ample foliage.

Golden Age. A slightly reflexed deep yellow of the Japanese type.

Roman Gold. From September buds; a Japanese incurved and darker yellow than Golden Wedding or Golden Age. Stem and foliage excellent; 4 ft.; in perfection November 1st.

Smith's Sensation. Its delicate shade of cameo pink is greatly enhanced under artificial light; it is closely incurved and of the largest size. August 30th buds give largest blooms, coming November 1st; just right for exhibition.

Wm. Mease. Bright rosy red, one of the very largest in size.

SINGLE CHRYSANTHEMUM

This class has become very popular and deservedly so, as they are most beautiful, either for cut flower or specimen plants.

Price except where noted, each, 15c, any 3 for 40c, set of 10 for $1.00, postpaid. Deep yellow flowers in great number. Fine for pot plants.

Cosmos. Beautiful lavender pink Large flowers. Very fine.

Dawn. Delicate pink changing to white, large flowers with three rows of petals.

Early Bird. Flowers orange yellow, large, very early, makes a good pot plant.

Lady Lu. Purest white, best for all purposes. Resembles a large Shasta Daisy.

Ladysmith. One of the prettiest of all the singles, rose pink with green eye.

Minnesota. A very striking blood red. 2½ in. across, long slender stem.

Pink Beauty. Flowers clear pink two rows of petals, fine for sprays. **Each 20c, 3 for 50c.**

Snowbird. Pure ivory white flowers of medium size with two rows of petals.

Sweetness. Clear yellow. In this we have a sweet scented Chrysanthemum.

ANEMONE FLOWERED

Garza. Broad ray petals; center white, tipped yellow. **Each 15c, 3 for 40c.**

CHRYSANTHEMUM SET FOR POT CULTURE

The following list is a selection from over 100 sorts, and embraces the best sorts for pot culture. All early flowering sorts and large handsome flowers.

Each 15c, any 3 for 40c, set of 10, $1.00, postpaid.

Garza. (Anemone flowered.) Purest white with yellow center medium size ray petals.

Marion Newell. Color almost a true pink of extra size. Reflexed variety.

May Foster. One of the most popular white varieties. Fine large, pure ivory.

Miss G. Pitcher. Light shade of yellow with wide incurved petals.

Mrs. F. Beu. Striped red and yellow of medium size. Strong grower.

Mrs. Wm. Duckham. Beautiful golden yellow of immense size.

Mutual Friend. Pure white, a large reflexed flower of great depth.

Old Gold. Orange yellow of immense size and good form.

The Bard. Medium sized flower of a deep crimson.

W. H. Lincoln. Bright yellow. A well known variety and one of the best for pot culture.

HARDY POMPON CHRYSANTHEMUMS

These small flowered or button Chrysanthemums are especially desirable for planting in the garden. They are perfectly hardy, requiring only a slight protection throughout the winter. The colors are varied, ranging through white, pink, yellow and many reds. In the dull days of November when practically every other flower in the garden has succumbed to the frost these little Chrysanthemums hold full sway with their wealth of blossoms.

EARLY FLOWERING POMPONS

The following list embraces varieties that have been thoroughly tested and found suitable in places where frost comes about October 15th and later.

Price, each, 15c, any 3 for 40c, set of 9 for $1.00 postpaid.

Charlotte. Deep bronze.

Chiver. Large pink.

Emo. A small flower of bright yellow color.

Fairy Queen. A bright pink, large flowering. One of the handsomest of the early Pompons.

La Purity. A beautiful pure white.

Miss Seeley. Pure white, one of the best early varieties.

Panama. Deep red, medium size.

Uneda. Pure yellow.

Zoda. Soft delicate pink.

MID-SEASON AND LATE POMPONS

The following varieties are suitable in places where there is little or no frost or grown as pot plants and for sprays.

Price, each 15c, any 3 for 40c, set of 12 for $1.25 postpaid.

Aileen. Clear rose pink.

Baby Margaret. Small pure white.

Diana. Pure white, extra fine.

Julia Lagravere. Deep red, best of its color.

Helen Newberry. A late white, just as good as the popular variety Diana, which it follows, for Thanksgiving and up to Christmas.

Klondike. Brilliant yellow, compact bloom.

Magnificus. Pure white, large size.

Minta. Light pink, the shade of Enchantress Carnation.

Prince of Wales. One of the best white.

Princeton. Brick-red flowers of splendid form, sturdy grower.

Quinola. Clear orange yellow.

Triumph d'Or. Golden yellow.

HARDY OUTDOOR CHRYSANTHEMUMS

A Chrysanthemum that would flower successfully in the open garden has been wanted a long time, and in the following we offer a set that will furnish an abundance of flowers from August until heavy frost. They grow from 2 to 4 ft. high, thriving in any good garden soil, and to those who desire a bright garden in the fall we can highly recommend them.

Be sure to secure this collection.

Price, each, 15c, any 3 for 40c, set of 10 for $1.00, postpaid.

Carrie. 4 in. flowers of a deep golden yellow, blooming from August to October.

Goacher. Crimson and gold, of fine size, blooming in August and September.

G. Grunerwald. A very fine variety of the Japanese section. The flowers average 5 in., color light pink.

Glory of Seven Oaks. Flowers of the brightest golden yellow, double and of large size, borne on strong upright stems.

Golden Glow. A very early Japanese incurved, producing fine blooms. 5½ in. in diameter. Color bright yellow. Fine foliage and stem. Very easy grower.

Harrie. Bronzy orange on golden ground compact grower.

Horace Martin. Golden yellow, large and free flowering. Blooms early in October.

Pink Harbinger. A deep rose pink, very large and free bloomer.

Smith's Advance. Pure white when fully expanded. This is the earliest large white variety.

Carpet of Snow. Double pure white star shaped flowers, produced in great abundance. Very early and hardy.

VAUGHAN'S DAHLIAS

In the following list we offer what we consider the very best of the foreign and American Dahlias, which we observed in our extensive trials last season when we were enabled to select for variety of form and color, freedom and perfection of bloom and length of season, the following very complete assortment.

The greater part of the list we can supply in dormant roots and small plants but some of the rarer sorts we can furnish in green plants only.

While roots may generally be planted by April 25th, it is hardly wise to set out the growing plants until **May 10th to 15th,** but with good care and soil, the started plants make such strides of growth as to surpass earlier plantings.

Contrary to popular opinion we maintain that Dahlia plants are always superior to dry roots, and are willing to take the responsibility of recommending them.

Dry roots may be had any time, as long as the stock lasts; plants from 2½ in. pots can be supplied **not earlier than May.**
All except the special offers of large field clumps of unnamed and mixed Dahlias, are sent prepaid to any post or express office in the U. S.

Full cultural directions accompany every order.
Please state if you want a substitute in case our supply of any variety is exhausted.

CACTUS DAHLIAS

See also list of varieties we offer in dry roots page 98.
The cactus forms of Dahlias are exceedingly beautiful, and are hard to excel. They have long twisted petals and embrace nearly all the colors and shades to be found in any of the other types.

CHOICE AND RARE SORTS

Price, except where noted, Green Plants, **each 25c, 3 for 65c, doz. $2.50.**

Aigle d'Or (Golden Eagle) **New.** A superb canary yellow, of immense size and fine form. **Each, 50c.**

Ambassador. Pure white. The flowers are large and beautiful in form, with long pointed petals, which are borne on long, erect stems. In this respect it is the best white Cactus Dahlia.

Aurora. An attractive soft pink, slightly tipped white, brilliant golden in the heart. One of the best Dahlias for exhibition, being colossal in size, elegant in form, most perfect in type and of the most exquisite coloring.

Countess of Lonsdale. A delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best.

Dainty. The ground color is lemon yellow, which shades lighter as the season advances, at which time the color approaches canary yellow at the base of the petals. Half-way from the base of the petals one notices the beautiful rose-pink. The tips of the petals are golden and the flowers are produced on long, stout stems.

Gunther. Pure white, splendid form, flowers on long stems well above the foliage, a free bloomer and a good keeper. **Each, 35c.**

Master Carl. Bright amber. A gigantic flower of perfect form with immense and gracefully curved petals. One of the finest in our collection.

Mrs. Henry Wirth. A rich glowing, fiery-scarlet of the Countess of Lonsdale type. A good companion for it being early and free blooming. **Each 35c.**

Mrs. Geo. Stevenson. Bright yellow. Large blooms with long and narrow petals. Flowers borne on long, wiry stems well above the foliage. Very free blooming.

Nerthus. Flowers large of splendid form on strong stiff stems, held well above the foliage. The center of the flower is a rich, glowing, orange yellow passing to a carmine rose at the tips, the whole suffused with a glowing golden color. **Each 50c.**

Parsifal. One of the earliest and freest flowering of the white cactus varieties, the flowers are large, of good form, creamy white, produced on fine stems well above the foliage. **Each 35c.**

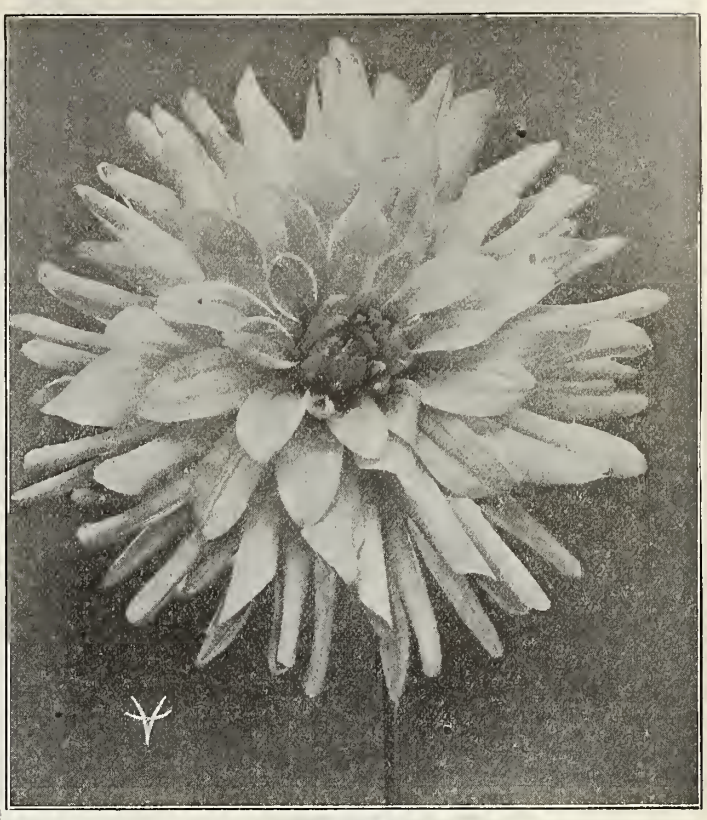
Pearlhilde. Center nearly white changing to a soft blush pink. A sport of the well known Kriemhilde and one of the best for cut-flowers.

Princess Juliana. A fine white, large and of splendid form. Early and free flowering. Strong stems. Fine for cutting. **Each 50c.**

Spotless Queen. Purest white. An excellent variety for cut-flower purposes.

Stern. A pure lemon yellow with beautiful flat petalled star-shaped flowers. A good grower and an exceptionally free bloomer. **Each 35c.**

The Pilot. A beautiful combination of colors. The extremities of the florets are bright terra-cotta, passing to deep yellow at the base. The blooms are borne erectly upon stout stalks, well above the foliage.



PARSIFAL
One of the very best White Cactus Dahlias

CACTUS DAHLIAS—Continued

Vater Rhein. A large and beautiful flower borne on long stiff stems. The salmon in the center shades to a pleasing rose at the tips. **Each 50c.**

Wodan. A very robust, strong growing variety with large flowers of a most pleasing delicate salmon rose shading to old gold in the center. **Each 50c.**

Special Offer B3. One plant of each of the 18 varieties, **$5.50 prepaid.**

STANDARD SORTS

Price, Green Plants, each 15c, any 3 for 40c, doz. $1.50.

Effective. Chamois rose with yellow shadings, deeper in the center. A large, perfectly formed, intensely double globular flower with finely pointed petals, and borne freely on long, strong stems. Very distinct. A charming variety for cutting.

Estrella. Snow white with a trace of lemon yellow in the heart. A most abundant bloomer.

Fairy. Pure white. Very narrow florets, beautiful in form and one of the most refined in this color.

Flora. An ideal white with large heavy flowers on stout stiff stems. A valuable cutting variety.

Frau Hermine Marx. A beautiful pink, splendid for cut flowers. Very similar in color to the La France rose and a good bloomer.

Holsatia. Orange scarlet. One of the freest flowering Cactus Dahlias and perfect in form. Flowers are borne on long, stiff stems.

Lawine. A pure white of good form, very free and early flowering.

Pink Pearl. Mellow pink at the base of the petals, shading off gradually to white at the tips, the effect being a soft, rosy pink. Fine for cutting.

Rother. A beautiful dark velvet crimson. The flowers are of perfect shape, very early, free flowering and dwarf in habit.

Strahlenkrone. Intense cardinal red, rich and glowing, with long twisted petals. A very early and profuse bloomer.

Swan. Pure white. A very large and free blooming variety.

Uncle Tom. A deep velvety maroon, almost black.

Volker. Clearest canary yellow; large, exquisite Cactus form. An early and extremely profuse bloomer, the plants being literally covered the entire season.

Winsome. Undoubtedly the finest white Cactus to date. Flowers are very large and beautiful, with twisted, incurved petals and are borne on long, erect stems, holding the flower up in marked contrast to other white Cactus Dahlias.

Special Offer C3. One plant of each of the 14 varieties, **$1.50 prepaid.**

DELICE, DECORATIVE DAHLIA
The best Pink Dahlia.

DECORATIVE DAHLIAS

See also list of varieties we offer in dry roots, page 101.

Decorative Dahlias are known by their large flowers and flat petals being intermediate between the Cactus and Show types. Among these varieties will be found those mostly used for cut-flowers since they are those having the greatest substance and are the best shippers. Those we include are the result of careful selection.

CHOICE AND RARE KINDS

Price (except where noted), **Green Plants, each 25c, 3 for 65c, doz. $2.50.**

David Harum. Bright orange scarlet with deep crimson shadings. Large flat flowers measuring 6 to 7 in. across. Thick, wide petals, full to the center. Flower stalks are strong and hold the flowers up well above the foliage. Very free blooming and early. We consider this one of our finest decorative Dahlias.

Delice. The finest pink decorative dahlia. Its beautiful soft, yet lively color, a glowing rose pink, borne on long stiff stems, holding its flowers well above the foliage, makes this one of the most decorative sorts in the garden. It is also very valuable as a cut flower as it retains its freshness longer than most varieties. **Each 35c.**

Henry Patrick. A pure waxy white. It blooms very freely, producing flowers from 5 to 7 in. in diameter.

Jack Rose. A rich velvety crimson like that of the Jacqueminot Rose from which it derives its name. A grand variety, splendid for cutting; flowers are full in center, measuring 6 to 7 in. across.

Jeanne Charmet. Bright pink with crimson edges. Flower 7 to 8 in. in diameter, with long, wide loosely formed petals. Center covered with short petals. Flowers borne on fine long stems. Early and extra fine.

Kaiserin Augusta Victoria. Pure white flowers borne in great profusion on erect, stout stems, fully 18 in. long, all above foliage. The immense, perfect flowers can be kept in flower until Thanksgiving. One of the most valuable Dahlias, growing about 30 in. high and not requiring support of any kind.

La France. A deep rose, heavily marked white, in form more like a full-blown Peony. The flowers appear on stiff, long stems and are excellent for cutting.

Majestic. 4 to 5 ft.; decorative; light scarlet, salvia color; whole plant, covered with bloom; the great flowering dahlia. **Each 50c.**

Miss Minnie McCulloch. This is a splendid variety, the color is a soft yellow overlaid with bronze; very handsome under artificial light. The stems are strong. It is a good keeper and makes a good cut-flower variety. **Each 35c.**

Mrs. Chas. Turner. Pure yellow. A strong grower and profuse bloomer of immense size.

Mrs. P. Wyndham. Apricot shaded to salmon in center. Very free and early with wide flat petals. The flowers are large and flat.

Perle de Lyon. This is the best white decorative dahlia to date. The flower is perfect in form, pure in color, very free flowering and produced on fine long stems. As a cut flower variety it is a decided acquisition.

Souv. de Gustave Doazon. A pleasing shade of orange red. The flower measures 6 in. in diameter, and has large, wide, thick petals of great substance. Very free bloomer. Strong and robust, growing 5 ft. high.

Virginia Maule. A most delicate blush or shell pink. A great improvement over Mrs. Roosevelt. The World's Best shell pink. The immense flowers are borne with stately grace on long, erect stems. The plant is very strong and vigorous, growing 4 to 5 ft. high, branching habit, blooming early and profusely.

CHOICE AND RARE KINDS—Continued

Woodrow Wilson. Flowers bright red of splendid form, good stem; flowers held well above the foliage; very free flowering and most desirable for cut-flowers.

Special Offer E3. One plant of each of the 15 varieties, **$3.50, prepaid.**

STANDARD KINDS

Price, Green Plants, each 15c, 3 for 40c, doz. $1.50.

Bonnard's Yellow. Deep yellow. Extra large flowering.

Clifford W. Bruton. Bright golden yellow. Very large and early flowering.

Crimson Giant. Deep crimson flowers of immense size.

Katherine Duer. The most beautiful glowing scarlet without markings. The flowers are of immense size, 7 in. across, opening out flat and showing no center, with wide and rounding petals. The plant is a strong grower.

Lyndhurst. A rich and brilliant cardinal red. Fine for cut flowers.

Mad. Van den Dael. A soft rose with deeper markings, shading to creamy white in center. A splendid variety for cutting.

Maid of Kent. Intense scarlet variegated with pure white, frequently a solid scarlet.

Pres. F. Faure. A deep purplish crimson with broad thick petals.

Sylvia. White shading to soft pink on the outer petals which are of great substance. The flowers measure about 5 in., are fine in form and full to the center making it a great shipper. The plant is a strong and healthy grower.

Wm. Agnew. The richest shade of intense, dazzling red. Flowers are large, measuring more than 5 in. in diameter.

Special Dahlia Offer F3. One plant of each of the above 10 varieties, **$1.00, prepaid.**

SHOW AND FANCY DAHLIAS

See also list of varieties we offer in dry roots, page 101.

Price (except where noted), **Green Plants, each 15c, 3 for 40c, doz. $1.50.**

Show Dahlias are those of solid color except that in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

A. D. Livoni. A beautiful soft pink flower with quilled petals, full to the center. An early and profuse bloomer.

Black Diamond. A rich velvety maroon shaded jet black. An early and free bloomer with immense flowers, full and regular in form. The plant is a strong vigorous grower with a dark, glossy foliage.

Bon Ton. A deep rich garnet red. A fine ball-shaped flower.

Cuban Giant. Bright maroon. Immense in size, free flowering and very early.

Ethel Schmidt. Pure white, flushed delicate pink, dotted and streaked crimson. A cross of Storm King and Lottie Eckford that will soon be the standard of this type, on account of its early and profuse blooming, together with its long, graceful stems.

Frank Goodman. Rich purple, tipped white, distinct.

Glorie de Lyon. Pure white. The largest white Dahlia in cultivation, round as a ball. **Each 25c.**

Grand Duke Alexis. Pure white shading to a most delicate and charming shell pink. This grand Show Dahlia is one of the finest of that type. Flowers are mammoth in size, beautifully quilled and double. Very free and early. **Each 25c.**

John Walker. Pure white. Flowers are full and beautiful.

Kaiser Wilhelm. Deep yellow lightly tipped cherry red. Quilled petals on flowers of large size and fine form.

Miss May Lomas. A delicate white suffused and tipped light lavender. Flowers are of good size borne on erect, stout stems. A very free bloomer and a fine cut flower variety. **Each 25c.**

Mrs. Dexter. Reddish apricot, very large and full flowers.

Princess Bonnie. Creamy white. Flowers are medium in size, full to the center and fine in form.

Queen of Yellows. A beautiful clear yellow.

Red Head. Deep red, large flowers, of dwarf, free blooming habit.

Storm King. Still the finest of all white Show Dahlias. An extremely early, profuse and constant bloomer, a strong vigorous grower of branching habit, producing large, perfect shaped flowers on long stiff stems. One of the finest for cut flowers. **Each 25c.**

Yellow Duke. Pure canary yellow, large size, flowers on good stiff stems. **Each 25c.**

Special Dahlia Offer H3. One plant each of the above 17 varieties for **$2.25, prepaid.**

NEW PEONY-FLOWERED DAHLIAS

See also list of varieties we offer in dry roots, page 101.

Price (except where noted), **Green Plants, each 25c, 3 for 65c, doz. $2.50, prepaid.**

Peony-flowered Dahlias are those having irregularly curved and twisted petals and are as beautiful as they are odd. The varieties offered are the best we have been able to secure.

Germania. Brilliant carmine, four rows of petals, compact growth.

Glory of Groenekan. Orange yellow, extra large flower.

La Riante. Deep pink flowers on long, strong stems. An excellent variety. **Each 35c.**

Paul Kruger. White and red flowers on very long stems.

Queen Emma. A charming shade of Hollyhock pink, the inner petals margined with gold. A very large and magnificent sort.

Queen Wilhelmina. This is a splendid variety of this new type with immense pure white flowers, with yellow center. It is very free flowering and the flowers are produced on good stems, making a fine variety for garden decoration.

Special Dahlia Offer G. One plant of each of the above 6 varieties, **$1.25, prepaid.**

SHOW DAHLIA

PEONY-FLOWERED DAHLIA

SINGLE DAHLIA

POMPON DAHLIAS

Price each 15c, 3 for 40c, doz. $1.50, Green Plants only.

Under this head come those small Bouquet Dahlias that are so popular for cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes.

Anna Londorff Yellow streaked and blotched carmine.
Crown Point Bright scarlet. A free bloomer, very dwarf and compact plant.
Elegante Bright pink flowers of perfect form with beautiful quilled petals.
La Petite Barbara The best white Pompon. Free flowering.
Little Herman Deep red, tipped white.
Special Dahlia Offer L 3. One plant of each of the above 5 for **60c, prepaid.**

SINGLE DAHLIAS

Price, except noted, **each 15c, 3 for 40c, doz. $1.50. Green Plants only**

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best as to color and size of flower.

Black Bird Intense velvety maroon, almost black, red spots at base. Large.
Gold Standard Pure yellow flowers borne on long, graceful stems of finest form and texture and of largest size.
Merry Widow (Lustige Wittwe.) Deep scarlet flowers of gigantic size on stems 15 in. long and measuring 4 to 5 in. The color is so exceedingly bright that a single plant makes an effective showing. The plant attains a height of only 3 ft. but from the bushy plant arise 30 to 50 flowers. **Each 35c.**
Praxiteles Velvet purple, tipped white. An early and extremely profuse bloomer, making a distinct, unique and striking plant. **Each 20c.**
Pres. Viger. Rich claret, shading lighter at the edges with pure white collar, occasionally rose tinted. Striking and distinct.
Rebecca Mayhew. Large snow-white, exquisite in form, early and an extremely profuse bloomer, being the world's best large white for commercial cut-flowers, or specimen plants.
Wildfire. The most brilliant fiery scarlet on our list. Flowers very large.
Special Dahlia Offer M 3. One plant each of above 7 varieties, **$1.00, prepaid.**

"NEW CENTURY" SINGLE DAHLIAS

See also list of varieties we offer in dry roots below.

Price, Green Plants, each 20c, 3 for 50c.

They are all of free-branching habit, flowering early, profusely and continuously throughout the season; flowers 4½ to 6 in. across, on stems 3 ft. long, and when cut keep in good condition for many days.

Maroon Century. A beautiful, rich maroon, with a large yellow center. Erect and free flowering.

Pink Century. Delicate soft pink similar to Twentieth Century and an equally profuse bloomer, the largest and finest of the set. Strong and vigorous with fern-like foliage.

Scarlet Century. Brightest dazzling scarlet, golden disc. Immense flowers of fine round form, very profuse in flowering.

Twentieth Century. Intense rosy crimson with white tips and white disc around the yellow center. As the season advances the dark colored zone becomes lighter and the color contrast exquisite. Flowers very large, 5 to 6 in. in diameter.

White Century. A beautiful snow-white of immense size, 6 to 7 in. in diameter, making a fine show.

Special Dahlia Offer P 3. One plant of each of the above 5 varieties for **75c, prepaid.**

Unnamed Double Dahlias. Undivided field clumps in white, pink, yellow or red, good sorts, **each 25c, 3 for 65c; doz. $2.50, by express at buyer's expense.**
Mixed Double Dahlias. Undivided field clumps, **each 15c, 3 for 40c, doz. $1.50, by express at buyer's expense.**
Mixed Single and Double Dahlias. Undivided field roots, **each 15c, 3 for 40c, doz. $1.50, by express at buyer's expense.**

DAHLIA ROOTS

The varieties offered below we can supply in dry divided field roots as long as the stock lasts. See list of varieties we can supply in green plants, ready May 1st, on pages 96, 97 and 98.
Price (except noted), **each 25c, 3 for 65c, doz. $2.50, prepaid.**

CACTUS DAHLIAS

Aurora. Pink, tipped white. **Each 35c.**
Brunhilde. Bright plum.
Countess of Lonsdale. Delicate apricot. **Each 35c.**
Fairy. Pure white.
Flora. An ideal white.
Frau H. Marx. La France pink.
Gunther. Pure white. **Each 50c.**
Holsatia. Glowing scarlet.
Lawine. A pure white of good form.
Master Carl. Bright amber. **Each 35c.**
Mrs. Geo. Stevenson. Lovely yellow. **Each 35c.**
Pearlhilde. Soft blush pink. **Each 35c.**
Spotless Queen. Purest white. **Each 35c.**
Volker. Clearest canary yellow.
Winsome. A fine white.

SHOW AND FANCY DAHLIAS

A. D. Livoni. A beautiful soft pink.
Bon Ton. A deep rich garnet red.
Cuban Giant. Bright maroon.
Frank Goodman. Purple, tipped white.
Grand Duke Alexis. Pure white. **Each 35c**
H. Sherber. Large salmon.
John Walker. Pure white.
Miss May Lomas. A delicate white. **Each 35c.**
Mrs. Dexter. Reddish apricot.
Princess Bonnie. Creamy white.
Red Head. Deep red, large flowers.
Storm King. Excellent white. **Each 35c.**
Yellow Duke. Canary yellow. **Each 35c.**

"NEW CENTURY" SINGLE DAHLIAS

Maroon Century. Maroon.
Pink Century. Delicate soft pink. **Each 35c.**
Scarlet Century. Brightest scarlet. **Each 35c.**
Twentieth Century. Intense rosy crimson. **Each 35c.**
White Century. A beautiful snow-white. **Each 35c.**

DECORATIVE DAHLIAS

Berwyn. Velvety crimson.
Bonnard's Yellow. Deep yellow.
Clifford W. Bruton. Bright golden yellow.
Crimson Giant. Deep crimson.
David Harum. Orange scarlet. **Each 35c.**
Delice. Grand pink. **Each 35c.**
Henry Patrick. A pure white. **Each 35c.**
Jack Rose. A rich velvety crimson. **Each 35c.**
Jeanne Charmet. Bright pink. **Each 35c.**
Kaiserin Augusta Victoria. Pure white. **Each 35c.**
Katherine Duer. Glowing scarlet.
La France. A deep rose. **Each 35c.**
Lyndhurst. A rich cardinal red.
Mad. Van den Dael. A soft rose.
Maid of Kent. Intense scarlet variegated.
Mariposa. A unique purplish salmon.
Mrs. Chas. Turner. Pure yellow. **Each 35c.**
Mrs. P. Wyndham. Apricot shaded to salmon. **Each 35c.**
Perle de Lyon. Fine white. **Each 35c.**
Pres. F. Faure. A deep purplish crimson.
Souv. de Gustave Doazon. Orange red. **Each 35c.**
Sylvia. White shading to soft pink.
Virginia Maule. Shell pink. **Each 35c.**
Woodrow Wilson. Bright red. **Each 35c.**

NEW PAEONY-FLOWERED DAHLIAS

Glory of Groenekan. Orange yellow. **Each 35c.**
Paul Kruger. White and red. **Each 35c.**
Queen Emma. Hollyhock pink. **Each 35c.**
Queen Wilhelmina. Pure white. **Each 35c.**

GERANIUMS

THE BEST STANDARD BEDDING SORTS

Beaute Poitevine. A favorite semi-double bedder because of its beautiful shrimp pink color. The best in this shade.

Columbia. A remarkably free blooming scarlet. Single.

Decorator. A grand semi-double light red, a strong grower and a free bloomer. **2½ in. pots, each 25c, doz. $2.50; 4 in. pots, each 35c.**

Jacquerie. A most beautiful shade of deep carmine-red; immense trusses on exceptionally long stems; very vigorous grower and unsurpassed as a bedder. 2½-in. pots, **each, 25c; per doz., $2.50;** 4-in. pots, **each, 35c.**

Jean Viaud. A beautiful semi-double rose pink with white eye. Large trusses.

John Doyle. A fine rich scarlet perfectly double and a profuse bloomer.

La Favorite. The best double white bedding Geranium. Large pure white.

Mrs. Francis Perkins. A fine double. Light pink with a white throat.

S. A. Nutt. The very best of the dark crimson-scarlet bedders. Perfectly double and a remarkably free bloomer.

IVY LEAVED

Beauty of Jersey. A very free flowering double pink.

Joan of Arc. The only double white Ivy Geranium.

Souv. de Chas. Turner. Light scarlet double.

PRICE. Any of the above, each 15c, doz. $1.50, postpaid.

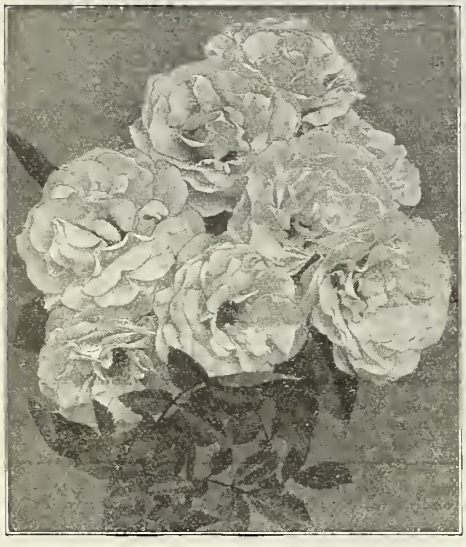
VARIEGATED LEAVED

Mme. Salleroi. The best geranium for a border, never growing over twelve in. in height and always so compact and beautiful. Foliage variegated green and white. **Each 15c, doz. $1.50, postpaid.**

PANSY GERANIUM (Mrs. Laval)

So named on account of its beautiful combination of colors. It is a grand variety, very suitable as a house plant, being of such easy growth and requiring so little attention. **Each 25c, 3 for 50c; doz. $2.25, postpaid.**

ROSES FOR THE GARDEN



BABY TAUSENDSCHON

MILADY

SUNBURST

We grow young rose plants only. We do not grow cut flowers. The best healthy wood is used for propagation and is not exhausted in bearing flowers. Our heavy soil is exactly adapted to rose growing. Rose plants as we grow and pack them, go safely to long distances, even to all Pacific Coast towns and cities.

The prices quoted on this page for 2½ in. pot plants and under include postage. Larger sizes, out of 3, 3½ and 4 in. pots and dormant plants, should be sent by express. If wanted by mail, add 5c each for postage.

With special fast mail service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled **than from cities less centrally located.** We guarantee safe arrival.

We draw your special attention to the splendid condition of our stock.

Ask for our pamphlet, **"How To Be Successful With Roses."**

NOVELTIES FOR 1913

Baby Tausendschon. An exact counterpart of the grand climber, Tausendschon, except in habit of growth. The plants are sturdy and bear immense trusses of flowers of a large size which keep remarkably well after opening. We have found this to be a continuous and profuse bloomer and this "Baby" undoubtedly has a great future. 2½ inch pot plants, **each 25c; 3 for 65c, prepaid.** 2 year dormant, **each 75c; 3 for $2.10.**

Edward Mawley. A handsome velvety crimson of perfect form. A remarkably free bloomer with all the good qualities of a true Hybrid Tea. One of the best of the new sorts. 2 year field grown plants, potted, **each 75c; 3 for $2.10.**

Geo. C. Waud. An exceptionally fine rose, of a glowing orange-vermilion which does not fade. Has won many honors in Europe. 2 year field grown plants, potted, **each 75c; 3 for $2.10.**

Juliet. A very distinct and attractive variety with a coloration not seen in any other rose, having large very double flowers with the outer petals old gold and the inner a rich rosy red changing to deep rose as the flower opens. Delightfully fragrant. A truly great rose which has been universally admired wherever shown. To be brought to bloom to perfection the branches should be tied down. 2 year field grown plants, potted, **each 75c; 3 for $2.10.**

Milady. Similar to Richmond in color but far richer in the bud. Large and double, opening perfectly at all seasons of the year. In form and fragrance it resembles Gen. Jack. Strong and sturdy in habit with excellent foliage. Is strongly recommended for these qualities and also for its great productiveness and wonderful keeping qualities. Strong pot plants, **each 50c, prepaid.**

Pollaertrose (Improved La France). This grand new variety of a La France pink is a strong grower with large beautifully formed flowers borne very freely on strong stiff stems. It has all the good points of a first-class rose and is strong where the La France has developed weaknesses and undoubtedly will replace it in time. 2 year field grown plants, potted, **each 75c; 3 for $2.10.**

Radiance. A handsome cerise pink rose of American origin. A strong sturdy grower blooming freely on excellent stems for cutting. 2½ inch pot plants, **each 25c; 3 for 65c, prepaid;** 3½ inch pot plants, **each 35c; 3 for $1.00.**

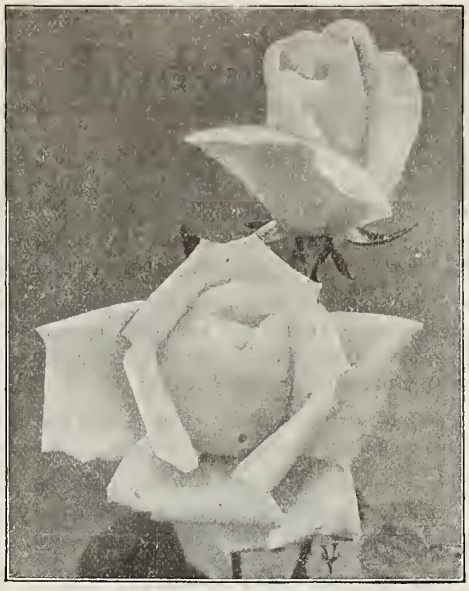
Sunburst. A truly great rose which is now classed with the American Beauty and Killarney. It rivals Mrs. Aaron Ward, being a rich coppery yellow of good size and form. Is a strong grower and having long strong stems is very fine for cut-flowers. 2½ inch pot plants, **each 30c; 3 for 80c, prepaid;** 3½-inch pot plants, **each 50c; 3 for $1.35.**

NOVELTY COLLECTION 1003 A. One 2 year field grown plant of Baby Tausendschon, Edward Mawley, Geo. C. Waud, Juliet and Improved La France for **$3.25 not prepaid.** Regular price $3.75.

NOVELTY COLLECTION 1003 B. One 2½ in. pot plant of Baby Tausendschon, Milady, Radiance, and Sunburst for **$1.00 prepaid.** Regular price $1.30

NOVELTY COLLECTION 1003 C. The two collections for $4.00 not prepaid.

KAISERIN AUGUSTA VICTORIA



WHITE KILLARNEY

MRS. AARON WARD

HARDY EVERBLOOMING GARDEN (HYBRID TEA) ROSES

This class has resulted from crossing the Hardy Perpetuals with the Tea Scented varieties, and possesses the hardiness of the first with the free blooming habit and fragrance of the latter. All have long pointed buds borne on strong stems which make them very valuable for cut flowers. Being so hardy, such free bloomers during the entire summer and embracing such a wide range of color, they will undoubtedly grow greatly in favor and be much more widely planted than at present, both in small gardens and where large beds are desired.

We especially recommend these roses for flowering during the summer and fall months and have selected these as being best in their color and with the most desirable qualities.

This list of Roses we can furnish in strong 2-year field grown plants which have been potted and kept in a cool house during the winter thus having lost none of their original vitality, and we feel sure will give better satisfaction than the dry stored stock. The results obtained will more than compensate for the slight additional cost.

Price, 2-year field grown plants, potted, **each 50c, 3 for $1.35, doz. $5.00.**

Avoca. A very desirable velvety crimson rose with large smooth petals. Its freeness of blooming, vigorous habit and long pointed buds won it a gold medal from the British National Rose Society.

Captain Christy. A beautiful flesh pink rose, large and free blooming, deepening to a rosy crimson at the center. Unusually good.

Caroline Testout. A grand rose which should be more widely planted. It has become decidedly popular in the West. The flowers are a fine satiny pink, full and very fragrant. Excellent for cutting.

Duchess of Albany. A beautiful rose of the La France type but deeper in color. A constant bloomer, very double and full.

Farben Konigin. Strong, upright grower, free flowering, large and double. Buds long; like a La France; color bright salmon rose with silvery sheen.

Gruss an Teplitz. Unquestionably the finest brilliant red, hardy, ever-blooming garden rose. The flowers are very showy and handsome. It blooms constantly and continues covered with flowers the whole season.

J. B. Clark. Growth is vigorous and upright. Blooms are large and beautifully formed; color intense scarlet, strongly fragrant.

Jonkheer J. L. Mock. This magnificent new rose comes to us with the record of having won eight prizes in Europe. It is a splendid robust and free grower sending up strong stems which bear glorious flowers in two tones of color, fiery red within, and silvery white without. The flowers are large and of a fine rounding form. Rosarians have pronounced this variety as one sure to be a World-Rose in a class with Kaiserine Aug. Victoria and Frau Karl Druschki.

Kaiserin Augusta Victoria. One of the best white roses, either for bedding or for cut-flowers. A tinge of lemon in the center adds to its beauty. Known the world over and is worthy of being planted in every garden.

Killarney. A strong, robust grower and a free, continuous bloomer. The color is brilliant sparkling pink; the flowers are extra large and full, with broad, thick petals and delightful fragrance. A rose of great beauty and excellence.

La France. Bright satin pink rose, silvery reflex, blooming early and late; one of the best roses grown.

Mme. Abel Chatenay. This splendid rose is one of the best of its color; rosy carmine, with darker shade. It has wonderfully beautiful flowers, which are full, deep and double; very hardy, a strong grower and free bloomer.

Mildred Grant. Of largest size, pure white, delicately tinted with light pink.

Mrs. Aaron Ward. (New.) This beautiful rose changes in color as the flower expands; the opening bud is a deep coppery orange, changing when partly developed to golden orange in the center, while the edges of the petals which recurve in a most graceful way are creamy white; the combination is very striking and beautiful. When fully open it is an exquisite shade of pinkish fawn. It is a strong grower with healthy, dark, glossy green foliage. Very free flowering.

Othello. (Syn Chateau de Clos Vougeot.) Its fiery red is so rich that it appears like velvet and holds its color from the bud until full blown, the nearest to a black rose in existence. The color is enhanced and made more striking by its handsome dark glossy green foliage. In habit it is robust, producing finely shaped blooms.

The Lyon. Color, shrimp pink at edges of petals; center of flower intense coral red, shaded chrome yellow; free grower and abundant bloomer; flowers large fairly full, with fine smooth petals and long pointed buds. We have no hesitation in recommending it to our customers as the most wonderful coloring amongst roses which has yet been attained. Very fragrant and hardy.

White Killarney. A pure white sport from Killarney, with which it is identical. It is perfectly hardy with light protection. A strong, robust grower, flowering very freely throughout the season. The flowers are very large, buds long and pointed; erect stems and a great acquisition.

The following varieties are **on their own roots** and are furnished in growing condition.

Prices, except where noted, 2½ in. **each 15c, 3 for 40c, doz. $1.50, prepaid.**
Larger plants, from 3½ or 4 in. pots, **each, 30c, 3 for 80c, doz. $3.00, prepaid.**

Cardinal. A delightfully fragrant red rose of a strong robust habit, making it a desirable bedder.

Cynthia Forde. A delightfully fragrant large double rose of deep shining pink. Sure to be a favorite, it is so free blooming and has such fine long stems. Full and perfect in form. 2½ in. pots, **each, 20c, 3 for 50c, prepaid;** 3½ in. pots, **each, 35c, 3 for $1.00.**

Gruss an Teplitz. Brilliant red.

Jonkheer J. L. Mock. Red shaded to silvery white. 2½ in. pot plants only, **each 50c, 3 for $1.35, prepaid.**

Kaiserin Augusta Victoria. One of the best whites.

Killarney. Bright pink.

La France. Satin pink.

Lady Hillingdon. An exceptionally free blooming variety of a deep golden yellow. Its long pointed buds open beautifully and expose the richness of color in the center for which it is so remarkable. 2½ in. pot plants, **each 35c, 3 for $1.00, prepaid;** 3½ in. pot plants, **each 50c, 3 for $1.35.**

Mme. Abel Chatenay. Rosy carmine.

Mme. Jules Grolez. (Red Kaiserin.) Similar to the white Kaiserin in foliage, habit, shape and size of bloom, but the color of the flowers is a beautiful cherry-red. If you want roses to cut all summer be sure to include Red Kaiserin in your collection. 3½ in. pot plants only, **each 30c, 3 for 80c.**

Mme. Segond Weber. This novelty is one of the most desirable of recent introductions. The color, a pure flesh salmon rose, is entirely new among hybrid Teas. The flowers are very large, composed of large, firm petals, cup-shaped, of regular form. The buds are pointed, oblong, and are borne upright on long, rigid stems. It is an ever-bloomer, making it most desirable for forcing and bedding.

Molly Sharman Crawford. This promises to be one of the best pure white bedding roses. It is a rapid grower and branches very freely, having medium sized foliage, dark and heavy, with good stiff wiry stems and blooms of the largest size, fullness and build. 2½ in. pots, **each 25c, 3 for 65c, prepaid.**

Mrs. Aaron Ward. We cannot recommend this variety too highly for bedding and cutting. The best orange-yellow. 2½ in pot plant, **each, 20c, 3 for 50c, doz. $2.00 prepaid.** 3½ in. pot plants, **each, 35c, 3 for $1.00.**

My Maryland. A very choice summer rose of a bright salmon pink with pale edges. It is very free to bloom and is remarkably fragrant.

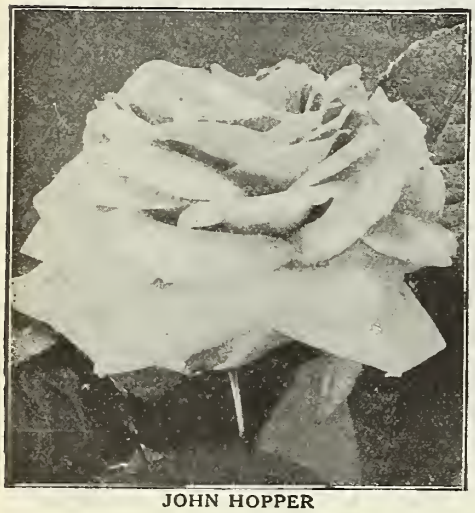
Othello. The "black velvet" rose. Pot plants, **each 35c, 3 for $1.00.**

Richmond. Scarlet-crimson, pointed buds and tall, erect stems; handsome dark foliage, one of the most successful roses for the garden.

White Killarney. Pure white.

W. R. Smith. Although not new, this is a most desirable ever-blooming summer rose and as a bedder is without a peer. The flowers are creamy white, shaded pink, and are produced with the greatest freedom. It makes a beautiful cut flower. This is one of the roses that should be in all gardens, great and small.

AMERICAN BEAUTY



JOHN HOPPER

PAUL NEYRON

Hardy Hybrid Perpetual Roses

Among all the hardy plants few are so commonly well liked or more valuable than the roses, particularly the "June Roses" as the Hybrid Perpetuals are called. They are strong growers, bearing large globular flowers and are so hardy that they succeed in any locality. The severest winters will not kill them but it is generally conceded that protection is beneficial when the straw, manure, cornstalks or other covering is not so thick as to smother them.

All Roses thrive best when well watered, sprayed with Hellebore and Bordeaux Mixture for insects and fungus, and fed either by applications of manure water, or Bonemeal at the rate of two pounds per square yard. The Hybrid Perpetuals are particularly susceptible to such treatment and respond readily.

Plant fifteen to eighteen inches apart and if in beds border with Baby Ramblers for an excellent effect.

The roses offered here are budded low on Manetti or Dogrose stocks and are generally known as grafted roses. Plant so that the graft is three inches below the surface of the soil. Early Spring planting is essential and no stock can be supplied after May 1st.

ALFRED COLOMB. Extra large cherry red flowers, very free blooming.

AMERICAN BEAUTY. This is the queen of all roses, being extra large, full and fragrant. The color is a fine deep pink shaded toward the center a carmine crimson.

After May 1st we can supply strong 2½ in. pot plants, **each 15c, 3 for 40c, doz. $1.50, prepaid;** 3½ in. pot plants, **each 25c, 3 for 65c, doz. $2.50, by express.**

ANNA DE DIESBACH. Very showy and large, pointed buds, a beautiful shade of carmine. A strong grower.

BARON DE BONSTETTIN. Rich, dark red passing to deep velvety maroon, double and full.

BARONESS ROTHSCHILD. Immense globular flowers of a rich satiny pink. Very vigorous and a remarkably free bloomer.

FISHER HOLMES. A valuable deep crimson rose of "Jack" type but a free bloomer and more fragrant.

FRAU KARL DRUSCHKI. (White American Beauty.) This pure white variety has long immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

GLORIE LYONNAISE. A beautiful light creamy yellow of medium size and a fine shape, desirable for bouquets.

HUGH DICKSON. Brilliant crimson shaded scarlet, large smooth petals, slightly reflexed on the edges. Very fragrant and vigorous. One of the most desirable sorts.

JOHN HOPPER. A grand rose of a brilliant crimson, bearing large solid flowers which are remarkable for their fragrance and freedom of bloom.

MABEL MORRISON. An attractive rose with pure white, perfectly formed flowers of large size.

MME. GABRIEL LUIZET. This is a handsome satin pink rose of great vigor. Fine for early flowers, large and full.

MME. PLANTIER. Pure white, large and double, a free and continuous bloomer, fine for cemetery planting.

MAGNA CHARTA. Deep pink, large sweet scented and of fine form, one of the hardiest roses in cultivation and most commonly planted.

MARSHALL P. WILDER. A grand rose of large full flowers of a bright carmine red.

MRS. JOHN LAING. Large popular rose, bright shining pink in color with long stiff stems. A very free bloomer.

MRS. R. G. SHARMAN CRAWFORD. Light flesh pink, perfect flowers, somewhat imbricated on clean, erect stems.

PAUL NEYRON. An immense rose of a deep rose color. It has excellent foliage and is a very strong grower.

PRINCE C. DE ROHAN. (The Black Rose.) Deep velvety crimson passing to intense maroon, fragrant, a strong grower and hardy.

ULRICH BRUNNER. Cherry crimson, large fine form, a good garden and exhibition rose, very strong grower and hardy.

PRICE. Extra strong, dormant, 2-year-old field-grown plants supplied up to May 1, by express, each 30c, 3 for 85c, doz. $3.00, per 100 $22.00.

Surprise Collection Hardy Roses	**Our Selection of sorts, strong 2-year dormant field grown plants. Doz. $2.50; per 100, $18.00. By express only.**

ROSE COLLECTIONS

We give the names and colors of the varieties in our collection, but should the stock, as the season advances, become exhausted, we reserve the right to send another of similar character and equally desirable in place of it without further notice. If customers do not wish this, please state so when ordering.

Vaughan's Unrivaled Collection of 12 Best Hardy Garden Roses

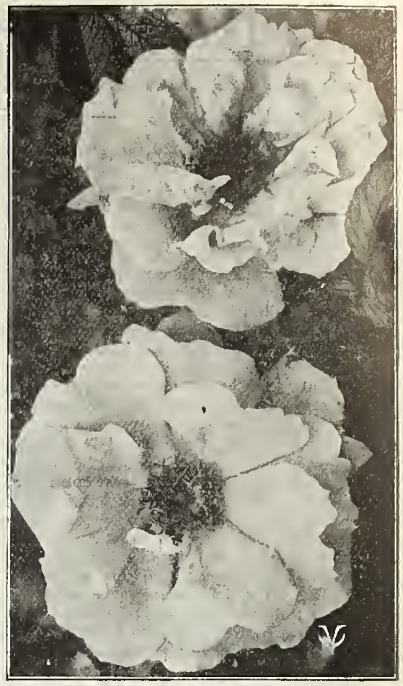
For description see general list of Hybrid Perpetual Roses.

Anna de Diesbach. Bright rose.
Baron de Bonstettin. Dark red.
Baroness Rothschild. Pink.
Frau Karl Druschki. White.
Gen. Jacqueminot. Crimson.
John Hopper. Rosy crimson.
Magna Charta. Deep Pink.
Mrs. John Laing. Bright Pink.
Mrs. R. G. S. Crawford. Flesh.
Paul Neyron. Rose.
Prince C. de Rohan. Velvety crimson.
Ulrich Brunner. Cherry Crimson.

PRICE. 1 each of 12 above named kinds $3.00 or 3 each of above named kinds, $8.00.

MOSS ROSE

BABY RAMBLER JESSIE



RUGOSA ROSE

DWARF POLYANTHAS
INCLUDING BABY RAMBLERS

As a group these rosse include those dwarf and remarkably free blooming varieties which are so much in demand for bedding, bouquets, and boutonnieres. They are entirely distinct from the larger flowered sorts and there is a place for both of them in every garden, being so hardy and adapted to so many uses. Masses of 25 or more together will be found to make a very effective planting.

It has been our great good fortune to be in the lead in introducing Baby Ramblers to the American public. Eight years ago we first offered the Crimson Baby Rambler and followed that by Vaughan's White Baby Rambler. What a wonderful success these have been every one knows. Other choice varieties of this class will be found in the following list.

Baby Dorothy. Compared to the well-known Crimson Baby Rambler Rose, this lovely new rose is just as vigorous and free-blooming, with the difference that the flowers are a very bright and pleasing rose-pink. It is perfectly hardy and blooms from Spring to Fall, and as a pink bedding rose it has no equal. We have counted as many as 100 blooms to a cluster on 3 year old plants. 2 year dormant field grown plants, **each 35c; 3 for $1.00; doz., $3.50.**

Baby Tausendschon. See Novelties, page 100.

Cecile Brunner. An old but very little known variety with many good qualities. The flowers are salmon pink, very deep in the center, rather small in size but full and delicately scented. It makes a handsome rose either in bud or flower and is worthy of wide cultivation. 2 year dormant plants, **each 35c.**

Clothilde Soupert. A truly grand bedding rose pearly white in color shading to a pure rose pink. It has remarkably round double fragrant flowers always borne in clusters. Being the introducers, we take pride in having extra select stock which will bloom continuously during the summer, if given ordinary care. 2½ in. pots, **each 15c; 3 for 40c; doz., $1.50, prepaid;** 3½ in. pots, **each 30c; 3 for 80c; doz., $3.00.**

CRIMSON BABY RAMBLER

Still a favorite. The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

	Each	3 for	Doz.	100
2-year dormant field grown, extra strong.....	$0.35	$1.00	$3.50	$25.00
3-year dormant.....	.40	1.10	4.00	
2½ in. pot plants.....	.15	.40	1.50	10.00
4 in. pot plants.....	.35	1.00	3.50	22.00

ERNA TESCHENDORFF

The color of the flowers is the brightest red, being superior to the Crimson Baby Rambler, Jessie, and others. The flowers are large and very double and are produced in constant succession throughout the whole season. It is free from mildew. A great advantage over the Crimson Baby Rambler is that the color does not bleach out under the hot sun. 2½ in. pot plants, **each 25c; 3 for 65c; doz., $2.50;** 3½ in. pot plants, **each 40c; 3 for $1.00;** 2 year dormant plants, **each 60c; 3 for $1.70.**

Jessie. This is a charming novelty, is constantly in bloom, commencing with the first June roses and continuing until frost kills them off in November and December. The height outside does not exceed 2½ feet. It has a freely branching habit, the foliage is bright, glossy green and wonderfully free from mildew. The flowers are borne in huge clusters and are of a bright cherry crimson color, which does not fade or develop the objectionable purple or magenta tints.

	Each	3 for	Doz.	100
2-year dormant field grown, extra strong.....	$0.35	$1.00	$3.50	$25.00
3-year dormant.....	.40	1.10	4.00	
2½ in. pot plants.....	.15	.40	1.50	10.00
4 in. pot plants.....	.35	1.00	3.50	22.00

Orleans. Color bright red and pink, center slightly shaded white. It has the same free flowering, dwarf, compact, robust habit as Mrs. Cutbush. Foliage bright green. This is a rose of great merit and will undoubtedly become a great favorite for pot culture, forcing and bedding. 2-year dormant plants, **each 50c, 3 for $1.35, doz. $5.00;** 2½ in. pot plants, **each 25c, 3 for 65c, doz. $2.50;** 3½ in. pot plants, **each 35c, 3 for $1.00, doz. $3.50.**

Phyllis. This beautiful Pink Baby Rambler is very popular. It grows to a height of 2 feet and is a beautiful carmine pink color. Flowers are produced in continuous succession of large clusters. It is in every way a most desirable variety. 2-year dormant plants, **each 35c; 3 for $1.00; doz., $3.50;** 3-year dormant plants, **each 50c; 3 for $1.35; doz., $5.00;** 2½ in. pot plants, **each 15c; 3 for 40c; doz., $1.50;** 3½ in. pot plants, **each 30c; 3 for 80c; doz., $3.00.**

Vaughan's White Baby Rambler. The flowers are borne in clusters of 50 to 75 individual flowers, one inch in diameter and pure snow white. The foliage is dark and glossy and finely cut. Does not grow over 12 inches in height, forming very bushy plants. For cemetery use of great value, being perfectly hardy. 2½ in. pot plants, **each 15c; 3 for 40c; doz., $1.50;** 3½ in. pot plants, **each 30c; 3 for 80c; doz., $3.00.**

TREE BABY RAMBLERS

Budded on Rugosa stock in tree or standard shape with bushy two-year-old heads, which will flower beautifully during the Summer and Fall.

Baby Rambler. 12 in. and 24 in. **Jessie.** 12 in.
Orleans. 24 in. **Phyllis.** 12 in.

VAUGHAN'S BABY ROSE COLLECTION No. 13
One each of the eight above roses, except Baby Dorothy and Cecile Brunner, 2½ in. pot plants for **$1.00 prepaid.** Regular price **$1.50.**

VAUGHAN'S BABY ROSE COLLECTION No. 23
One each of the seven above roses (except Baby Tausendschon, Baby Dorothy and Cecile Brunner), 3½ in. pot plants for **$2.00, prepaid.** Regular price $2.35.

VAUGHAN'S BABY ROSE COLLECTION No. 33
One of each of the above ten roses in the largest size for **$3.50, not prepaid.** Regular price $4.10.

TEA ROSES

The roses of this class are easily distinguished by their delicate fragrance and shades of color. Not being as hardy as the Perpetuals and Hybrid Teas, are more suited to greenhouse culture and the southern states, although they can be planted in any latitude and sunny position where they are protected from cutting winds. They prefer a rich, warm, dry soil and moderate pruning, removing all the unripe and weak wood. Protection in the way of straw, litter or leaves is necessary in the Fall.

Cochet Pink. Well known as an excellent pink bedding rose, deliciously fragrant and a free bloomer. 2-year field grown plants, potted, **each 50c, 3 for $1.35, by express.** 2½ in. pots, **each 15c, 3 for 40c;** 3½ in. pots **each 30c, 3 for 80c.**

Cochet White. A pure white of finest fragrance and with the good qualities of its parent—the pink cochet. Only 2-year field grown plants, potted, **each 50c, 3 for $1.35, by express.**

MOSS ROSES

These old-fashioned favorites require close pruning, and a liberal supply of manure. They are all delightfully scented. There are few things more beautiful than a Moss Rose in bud. All are of the easiest culture.

Double Pink, Double Red, Double White. 2-year dormant stock. Extra strong plants, **each 35c, 3 for $1.00, 12 for $3.50, by express.**

AUSTRIAN BRIAR

Soleil d'Or or Golden Sun. Habit of plant is robust, producing vigorous shoots in abundance, branches straight and of good size. The coloring of the flowers is very rich, a marvelously rich shade of chrome-yellow with a glint of coppery-rose in the center. The goal for which the world's best hybridizers have been striving. **Price,** strong 2-year-old plants, field grown, **each 35c, 3 for $1.00, doz. $3.50.**

HARDY CLIMBING ROSES

We draw your attention to the splendid condition of our stock.

Regarding Prices Where the price for each is—

			Doz.
$0.15,	we supply	3 for $0.40	$1.50
.20,	we supply	3 for .55	2.00
.25,	we supply	3 for .65	2.50
.35,	we supply	3 for 1.00	3.60
.40,	we supply	3 for 1.10	4.20
.50,	we supply	3 for 1.25	5.00
.75,	we supply	3 for 2.15	8.00

Alberic Barbier. (New.) Dark green leaves, bronzy red in spring and glossy. The outer petals of the flowers are a delightful creamy white and the inner a canary yellow. 2-year, **each 50c.**

American Pillar. A new climber of vigorous habit, the enormous flowers sometimes measuring 3 inches across, are borne in large clusters and are produced with the greatest freedom, fairly covering the bush. Color is a delightful shade of pink. In the fall the flowers are followed by large clusters of attractive red berries. 2-year, **each 50c, by express;** 2½ in. pots, **each 20c, prepaid;** 3½ in. pots, **each 35c, by express.**

Baltimore Belle. Your yard is not complete without this grand rose. Will grow 15 feet in one year, and be covered with clusters of large double flowers of a pale blush color. 2-year, **each 35c, by express.**

Climbing Clothilde Soupert. It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters. 3½ in. pots, **each 35c, by express.**

Climbing Hermosa. A climbing variety of this well-known hardy everblooming rose; the flowers are large, very double and very full; color, clear bright pink, and borne in great profusion. 3½ in. pot plants, **each 35c, by express.**

Count Zeppelin. The color of this new hardy climbing rose is of a most brilliant pink, with fiery reflex. The plants are very strong, perfectly hardy and very free blooming, and to a certain extent, everblooming; that is, they will produce flowers after the main crop is gone. This new rose has been awarded numerous first prizes in Europe. 2½ in. pot plants, **each 25c, prepaid;** 3½ in. pot plants, **each 40c, by express.**

CRIMSON RAMBLER. This grand old climber hardly needs description. The magnificent trusses of bright crimson flowers are freely produced and admired by everyone. It is still one of the easiest of Roses to succeed with. Unsurpassed for walls, hedges, pillars, arches, pergolas; very hardy and a strong grower. 2-year old, **each 50c;** strong 3-year, **each 75c;** extra heavy (splendid plants) **each $1.00, all by express.**

DOROTHY PERKINS. A good one. As hardy as Crimson Rambler. The flowers are borne in clusters and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading. 2-year, **each 50c;** strong 3-year, **each 75c, by express;** 2½ in. pot plants, **each 20c, prepaid;** 3½ in. pot plants, **each 35c, by express.**

Excelsa. (**"Red Dorothy Perkins."**) A distinct variety in form, color and habit, vigorous grower. The foliage is dark glossy green. Flowers very double, produced in large trusses, thirty to forty on a stem. The color is intense crimson maroon; tips of the petals tipped with scarlet. 2½ in. pot plants, **each 25c, prepaid;** 3½ in. pot plants, **each 40c;** 2-year, **each 50c;** 3-year, **75c, by express.**

Flower of Fairfield. (Perpetual flowering Crimson Rambler.) Of the numerous varieties raised in the past few years, this is doubtless one of the best. Its flowers, which are produced in profusion, are of a fine crimson color, and more brilliant than the common Crimson Rambler. The growth is vigorous, flowering freely and continuously throughout the season. 2-year, **each 50c;** strong 3-year, **75c, by express.**

HIAWATHA. The flowers are single and of a deep crimson with petals shading to a pure white at the base. The plant in full bloom must be seen to be thoroughly appreciated. Flowers very freely, and it is undoubtedly one of the best of the single roses. 2-year, **each 50c;** strong 3-year, **each 75c, by express;** 2½ in. pot plants, **each 20c, prepaid;** 3½ in. pot plants, **each 35c, by express.**

"LADY GAY." The flowers are of a delicate cherry pink color, changing to a soft white. Rich glossy foliage. The effect of a plant in full bloom, is superb, vigorous grower and perfectly hardy. 2-year, **each 50c.** Strong 3-year, **each 75c, by express;** 2½ in. pot plants, **each 20c, prepaid;** 3½ in. pot plants, **each 35c, by express.**

Marechal Niel. A most beautiful deep golden yellow, very large and double; deliciously scented, but unfortunately not quite hardy (excepting in the south and on the Pacific Coast). For the walls of a vinery or pillars in a greenhouse this is a magnificent rose. 2½ in. pot plants, **each 20c, prepaid;** 3½ in. pot plants, **each 50c, by express;** 5 in. pot plants, **each 75c, by express.**

PHILADELPHIA CRIMSON RAMBLER. This variety is identical with the Crimson Rambler except the color is brighter, deeper, and more intense, the flowers are perfectly double to the center, last longer in bloom and come into flower about 10 days after the Crimson Rambler. Strong, 2-year, **each 50c, by express.**

LADY GAY

Prairie Queen. Color, bright red, changing as the flower opens to deep pink. A splendid rose for porches. Strong, 2-year, **each 35c, by express.**

South Orange Perfection. (Wichuriana.) Flowers blush pink, fully double, profuse bloomer. 2-year, **each 35c, by express.**

"TAUSENDSCHON." This beautiful variety surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft pink, same color as Clothilde Soupert, later on changes to rose carmine. 2-year, **each 50c;** Strong 3-year, **each 75c, by express.**

Universal Favorite. (Wichuriana.) Blush white, double, one of the memorial set. Foliage beautiful glossy green. Very hardy. Strong 2-year, **each 35c, by express.**

WHITE DOROTHY PERKINS. (New.) This beautiful new Rose is the counterpart of the well known Dorothy Perkins, excepting in the color which is pure white. Already a universal favorite. 2-year, **each 50c;** strong 3-year, **75c;** extra heavy, **each $1.00, by express;** 2½ in. pot plants, **each 20c, prepaid.** 3½ in pot plants, **each 35c, by express.**

Wichuriana. (Memorial Rose.) Flowers pure white, foliage bright glossy green. This is a beautiful subject for planting on graves. It creeps along the ground as closely as an Ivy and often grows 10 feet in one season. The flowers are produced in July. 2-year, **each 35c, by express.**

Rambler collection No. 1043. One-2-year plants of **American Pillar, Excelsa, Lady Gay and White Dorothy Perkins, for $1.60, not prepaid. Regular price $2.00.**

The roses which we offer here are either on their own roots in pots or two years old from the field.

Our pot roses are grown from good strong well matured parent plants and are never forced, but kept in a moderate temperature where we develop them into strong healthy plants. This method produces stock of the strongest vitality and when planted out does not suffer the setback which most pot roses do.

Our field grown plants are all big strong healthy bushes and are budded on the hardiest stock in existence. These roses when planted and cared for produce a grand showing the first year and are by all means the very best to be had.

Remember roses like anything else respond to good treatment and any extra pains taken will be rewarded.

RUGOSA ROSE

GRUSS AN TEPLITZ
Best bedding Rose

MOSS ROSE

TREE OR STANDARD ROSES

These roses have bushy 2-year heads grafted on Rugosa with 3 ft. clear stems.

Crimson Rambler **Dorothy Perkins** **Lady Gay**
H. P. varieties, pink, red and white.

Each $1.00; 3 for $2.75; doz. $10.00

RUGOSA ROSES

Agnes Emily Carmen. Brilliant crimson, single flowers; same shade as that of Gen. Jacqueminot. A very free flowering variety, being in flower almost all the summer.

Alba. Crowded with clusters of single pure white flowers, foliage dark green and glossy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00, by express.**

Blanche Double de Coubert. A fine double sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous rampant grower, very free blooming—almost perpetual flowering. Flowers measure nearly 5 inches across and are lasting.

Conrad F. Meyer. Very vigorous and strong grower, the flowers which are beautiful in bud, are of clear silvery rose in color, very large and fragrant, superb foliage. **Extra fine.**

Mad. G. Bruant. Blossoms in clusters. Semi-double pure white flowers. Fine for cemetery.

Rubra. (Type.) Beautiful single red, flowers throughout summer, followed by vivid scarlet seed vessels in the fall. Very free flowering and exceptionally hardy. Strong 2-year dormant field plants, **each 30c; 12 for $3.00; 100 for $20.00, by express.**

Price, except where noted, **each 35c; 3 for $1.00; 12 for $3.50, by express.**

VARIOUS ROSES

Hermosa. (China.) A grand old rose. There are many gardens in which it holds first place for full and frequent bloom. Flowers borne in clusters, clear bright pink, very double and one of the best. Strong dormant field plants, **each 30c by express;** 2½ in. pot plants, **each 15c prepaid;** 3½ in. pot plants, **each 30c by express.**

Persian Yellow. (Austrian Briar.) The Hardy Yellow rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and amongst shrubs, prune lightly as this variety flowers on the previous year's growth. **Price,** strong 2-year-old plants, **each 35c; 3 for $1.00; doz. $3.50, by express.**

Rubiginosa. (True English Sweet Briar.) Valuable for the refreshing fragrance of its leaves. This is the true Eglantine. No garden should be without a plant of it. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2-year, **each 35c, 3 for $1.00.**

Rubrifolia. (Red-Leaved.) Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. It is one of the most attractive shrubs, especially when set among a mass of other shrubs or planted by itself in groups. 2-year, **each 35c, 3 for $1.00.**

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. **Price,** 3-year-old plants, **each 40c; 3 for $1.10, by express.**

Souv. de La Malmaison. (Bourbon.) The finest Bourbon rose sent out for many years, the color is lovely creamy flesh, with bright rose center elegantly shaded, constant bloomer and entirely hardy. **Price,** strong 2-year-old plants, **each 35c; 3 for $1.00, by express.**

ROSE COLLECTIONS

We give the names and colors of the varieties in our collections, but should the stock, as the season advances, become exhausted, we reserve the right to send another of similar character and equally desirable in place of it without further notice. If customers do not wish this, please state so when ordering.

THE "GLENCOE" COLLECTION

of 10 Hardy Everblooming Garden Roses

(For description see general list of Hardy Roses page 103.)

Capt. Christy. Flesh.
Caroline Testout. Satin Rose.
Duchess of Albany. Deep pink.
Gruss an Teplitz. Brilliant red.
J. B. Clark. Scarlet.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
La France. Satin pink.
Mme. Abel Chatenay. Carmine.
Mrs. Aaron Ward. Orange yellow.

Price, 2-year-old field grown plants, potted, **1** each of above kinds, **$3.75. 2** each of above kinds, **$7.00,** by express.

THE "LAKE FOREST" COLLECTION

of 15 Hardy Everblooming Garden Roses

(For description see general list of Hardy Roses, page 103.)

Cardinal. Dark red.
Cynthia Forde. Fine pink.
Gruss an Teplitz. Brilliant red.
Kaiserin Aug. Victoria. White.
Killarney. Pink.
Mme. Abel Chatenay. Rosy carmine.
Mme. Jules Grolez. Red.
Mme. Segond Weber. Salmon.
My Maryland. Pink.
Mrs. Aaron Ward. Orange yellow.
Othello. Velvet rose.
Richmond. Red.
White Killarney. Pure white.
W. R. Smith. Creamy white.

Price: The collection from 2½ in. pots, **$1.50, prepaid;** 3½ in. pots, **$3.00, by express.**

COLONIAL GARDEN COLLECTION

So many customers have expressed the desire to secure a collection of the old fashioned roses to use in their Colonial gardens that we now offer 12 choice varieties specially adapted to such a use. All are old favorites and anyone wishing roses for this purpose cannot afford to miss this opportunity to secure them.

Rugosa. Pink and white.
Hermosa. Pink.
Rubrifolia. Red-Leaved.
Memorial. Pink and white.
Sweet Briar. Single pink.
Persian Yellow.
Moss. Pink and white.
2 June Roses. (H. P. varieties.)

One 2-year dormant plant of each of the 12 varieties for $3.00. Regular price $4.00.

MEMORIAL ROSE COLLECTION

Hiawatha. Red.
Universal Favorite. Blush white.
South Orange Perfection. Blush pink.
Wichuriana. White.

One 2-year dormant plant of each for $1.25.

SURPRISE COLLECTION GARDEN ROSES

Our selection of Sorts Only. Ready May 1st.

	Plants	in. Pots	Varieties	
S. R. C. No. 13	12	3½	12	**$ 2.50 by exp.**
S. R. C. No. 23	100	3½	15	**16.00 by exp.**
S. R. C. No. 33	12	2	12	**.50 by mail.**
S. R. C. No. 43	100	2	15	**3.50 by exp.**

Collections No. 33 and No. 43 cannot be supplied after June 1st.

Unnamed Hardy Everblooming Garden Roses in Pink, White or Red, suitable for bedding, from 2½ in. pots. **Price per doz., 75c.**

HARDY CLIMBING VINES

AMPELOPSIS ENGELMANNI

ARISTOLOCHIA (Dutchman's Pipe)

BIGNONIA RADICANS (Trumpet Vine)

These most useful and beautiful plants are becoming more popular every year and deservedly so. For beautifying summer houses, trelises, verandas and walls, etc., they are invaluable. All are of easy culture, and once planted require very little attention, beyond an occasional soaking of water in very dry weather, and a little fertilizer in the spring.

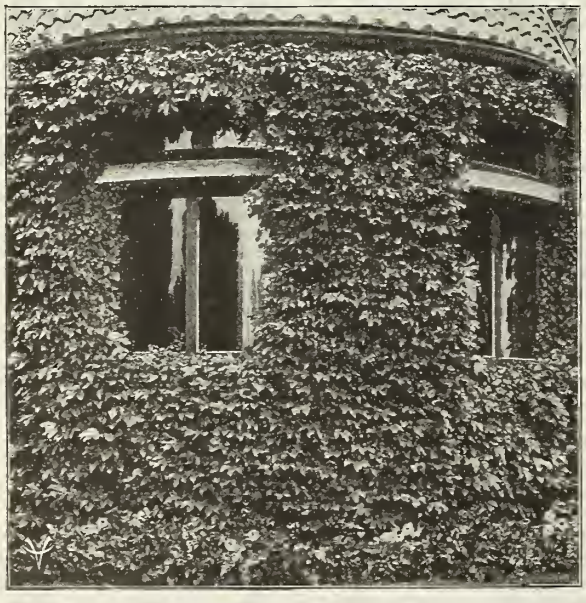
Actinidia Polygama. (The Silver Vine). A desirable Japanese climber, of vigorous growth, the foliage being a glossy dark green. The flowers are white with purple centers and are followed by clusters of edible fruit. An excellent plant for covering arbors, and where a rapid, dense growth is desired. Strong 3-year plants, **each, 50c, by express.**

Akebia Vine. A beautiful, hardy climbing vine. It often grows 15 ft. in a year and produces in early summer large clusters of fragrant rosy purple flowers, resembling Forget-me-nots. Large vines, 3 years old, **35c;** 4 years old, **50c, by express.**

Ampelopsis Dumetorum Laciniata. A vigorous sort, leaves digitate and deeply cut. Plants, 1 year old, **each, 25c;** 2 years old, **each, 35c, by express.**

Ampelopsis Engelmanni. (Engleman's Ivy). One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 year old, **25c;** 3 year, **35c;** 4 year, **50c each, by express.**

Ampelopsis Lowii. A beautiful new Ampelopsis with small palmate leaves, and of a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage turning red, as does A. Veitchii as autumn advances. Plants from 4-inch pots, **each, 50c, postpaid.**



JAPAN OR BOSTON IVY (Ampelopsis Veitchii)

Ampelopsis Quinquefolia. (Virginia Creeper or Woodbine). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 year, **each 25c; doz., $2.50.** Extra strong, 3 year, **each 35c; doz., $3.50;** 4 year, **each 50c, by express.**

Ampelopsis Robusta Purpurea. An improved Boston Ivy of which it is a variety. Remarkably strong and sturdy in habit. Strong 3 year plants, **each 50c, by express.**

Apios Tuberosa. A hardy tuberous-rooted climber, resembling in miniature the common Wisteria in vine and foliage, and having clusters of rich, deep purple flowers, which have a strong, delightful violet fragrance. **Each 5c; doz., 50c, postpaid.**

Aristolochia Sipho. (Dutchman's Pipe). Very hardy, strong growing vine with large peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 years old, **35c;** 3 years old, **50c each, by express.**

Bignonia Radicans. (Trumpet Vine). Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 year, **each 20c; doz., $2.00;** 3 year old, **each 35c; doz., $3.50;** 4 year old, **each 50c; doz., $5.00, by express.**

Celastrus Articulatus. (Japanese Bitter Sweet). A vigorous climber with almost round, bright green leaves, and orange yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens and is one of the best vines to be had for a porch. 2 year, **each 25c; doz., $2.50;** 3 year, **each 35c; doz., $3.50, by express.**

Celastrus Scandens. (Climbing Bitter Sweet). A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2 year vines, **each 25c; doz., $2.50; 100 $18.00;** 3 year, **each 35c; doz., $3.50;** 4 year, **each 50c; doz., $5.00.**

Cinnamon Vine. A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart-shaped, bright glossy-green; growth is very rapid, often running 25 to 40 feet; quite hardy. Good roots. **Each 5c; doz., 50c; postpaid;** extra large roots, **each 10c; doz., $1.00, postpaid.**

The Japan or Boston Ivy (Ampelopsis Veitchii.)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on brick walls.

PRICES

By Mail Postpaid	By Express, Not Prepaid
1 yr., ea. 20c; 3 for $0.50; doz., $1.50	1 yr., ea. 15c; 3 for $0.40; doz., $1.25
2 yr., ea. 25c; 3 for .80; doz., 3.00	2 yr., ea. 25c; 3 for .65; doz., 2.50
3 yr., ea. 30c; 3 for 1.10; doz., 4.00	3 yr., ea. 35c; 3 for 1.00; doz., 3.75

3 year, extra selected, **each 60c; 3 for $1.50, by express.**

Climbers for Shady Places, Aristolochia Sipho, Celastrus, Wild Grap Vine, Apios Tuberosa, Hop Vine, Akebia Vine, Honeysuckles.

Climbers for Hot Sunny Situation, Bignonia Radicans, Clematis Paniculata, Honeysuckles.

Climbers for North Aspect, Clematis all large flowering types such as C. Jackmani, Henryii, etc., Ampelopsis Veitchii (Boston Ivy).

Climbers for Eastern Aspect, Amepelopsis Engelmanni, Cinnamon Vine, Matrimony Vine, Periploca Graeca.

For Prices on 3 and 12 of a kind, see page 125.

VAUGHAN'S "SHADY SIDE" CLIMBER COLLECTION FOR 1913

Each plant is suitable for planting on the north side of any building where sunlight is not strong.

Clematis Jackmani.
Aristolochia (Dutchman's Pipe).
Celastrus (Bitter Sweet).
Honeysuckle Heckrotti.
Akebia Vine.
Boston Ivy.

1 each: All strong 2 yr. plants for **$1.50 by express only, not prepaid.**

VAUGHAN'S "SUNNY SIDE" CLIMBER COLLECTION FOR 1913

Each plant is suitable for planting in full sunlight.

Bignonia (Trumpet Creeper).
Clematis (Japanese Clematis).
Honeysuckle Scarlet Trumpet.
Matrimony Vine.
Ampelopsis (Virginia Creeper).
Periploca (Silk Vine).

1 each: All strong 2 yr. plants for **$1.25 by express only, not prepaid.**

LARGE FLOWERING CLEMATIS

JACK-AND-THE-BEAN-STALK VINE

CLEMATIS PANICULATA

LARGE FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich, royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

Azure Star. A new variety with large blue flowers. Strong grower and very desirable.

Beauty of Worcester. (New.) A magnificent sort with enormous flowers of clear sky-blue, contrasting strikingly with the cluster of pure white stamens.

Duchess of Edinburgh. One of the best double whites, of vigorous habit, very free of bloom and delightfully fragrant.

Gypsy Queen. A rich, dark velvety purple; a fast grower and a free bloomer. A very attractive and curious variety.

Henryi. (Bangholm Belle.) Strong grower, flowers always eight-sepaled, 4 to 6 in. in diameter, and pure white. Very hardy.

Jackmanni. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring.

Madame Baron Viellard. Light rose, lilac shadings. Much admired.

Miss Bateman. Pure white, with chocolate anthers. Commences to bloom as soon as its leaves start in May.

Mr. Paten. A fine new variety with double lavender flowers, a good grower and free bloomer.

Sieboldi. Flowers of large size. A beautiful light blue in color. Strong grower. One of the best.

Ville de Lyon. Its blooming capacity is great and the flowers of the most magnificent brilliant crimson; they are large and of beautiful circular form.

Prices—Extra Size Plants for Immediate Effect. Many of our customers desiring immediate effect prefer this stock, which we import from the best nurseries in Europe.

Strong 2 year old plants, each 50c; 3 for $1.35; doz., $5.00, prepaid. Extra strong, 3 year old plants, 75c; 3 for $2.10; doz., $8.00, by express, not prepaid.

We send out healthy stock of this class of plants and cannot entertain any complaints on account of them not growing.

CLEMATIS COCCINEA HYBRIDS

An entirely distinct type of Clematis, the result of crosses between C. Coccinea and Star of India, combining all the good points of their parents in hardiness, vigorous, robust growth and freedom of bloom, which, together with their novel coloring and shape, make them valuable additions to the list of hardy climbers.

Countess of Onslow. Bright violet-purple, with a broad band of scarlet through the center of each petal.

Duchess of Albany. A beautiful bright pink; deeper in the center.

Duchess of York. A delicate and pleasing shade of pale pink.

Grace Darling. A very pretty, bright, rosy carmine.

Strong plants, **each 60c; 3 for $1.60, by express.**

VARIOUS SPECIES OF CLEMATIS

Coccinea. Bell-shaped flowers, bright coral red; blooms from June until frost. **Each 20c; 3 for 50c; 12 for $1.50, by express.**

Crispa. Fine, deep blue, with a white border and deliciously fragrant. **Each 20c; 3 for 50c; 12 for $1.50, by express.**

Integrifolia Durandi. Flowers bright blue, flowering from June to fall. Non-climbing habit, good for low fences. **Each 50c, by express.**

Montana Rubens. This beautiful hardy, new Clematis begins to bloom early in June when a profusion of soft rosy-red blooms resembling those of the Japanese Anemone are produced. As the flowers are borne on the young wood, they appear more or less freely until frost. Strong plants, **each 75c; per doz., $7.50, by express.**

Viticella Purpurea Plena Elegans. (New.) A rapid grower with small double purple flowers. Strong plants 3 years old, **each 50c., by express.**

JAPANESE CLEMATIS (Clematis Paniculata)

The finest small flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant, and produced with the greatest freedom. It flowers in September, when few other vines are in bloom. This is the easiest to grow and most popular of all the small flowered vines.

PRICES. By Mail Postpaid				PRICES. By Express, Not Prepaid			
Each	Three	Dozen	Age	Each	Three	Dozen	100
$0.20	$0.50	$1.70	1-year	$0.15	$0.40	$1.50	$10.00
.30	.80	3.00	2-year	.25	.65	2.50	15.00
.50	1.40	5.00	3-year	.40	1.10	4.00	25.00
.90	2.50		4-year	.75	2.00	7.50	

Louisiana, Missouri, April 25, 1912

Gentlemen:—

Plants arrived today—a fine lot of plants—and in excellent condition. Thanks.

A. T. HEDELSON.

WISTARIA

HONEYSUCKLE

MATRIMONY VINE

HARDY CLIMBERS—Continued

HONEYSUCKLES

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. This is one of the best vines for ground planting under trees and if used on terraces or embankments, will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Aurea Reticulata. (Japan Golden Leaved.) Variegated yellow and green foliage, flowers creamy white.

Belgica. (Sweet Scented Monthly.) One of the most satisfactory Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers.

Fuchsioides. (Scarlet Trumpet or Sempervirens.) Fuchsia-like scarlet flowers, very free and beautiful.

Heckrotti. (New Sweet Scented.) Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

Japonica Flexuosa. (Chinese Twining.) Remarkable on account of retaining its beautiful glossy foliage almost all winter and covered with sweet, yellowish-white flowers nearly all summer.

Japonica Halleana. (Hall's Japanese.) Almost evergreen sort, flowers pure white, changing to yellow. July to November.

Strong 2-year old vines, **each 35c; 3 for $1.00; doz., $3.50, by express.** Heavy 3-year old vines, **each 50c; 3 for $1.35; doz., $5.00, by express.**

HOP VINE (Humulus Lupulus)

A useful climber for covering unsightly places. **Each 10c; doz., 85c; 100 $6.00, postpaid.**

IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat, foliage is luxuriant. One of the best climbers for northern latitudes.

First size roots, **postpaid, 15c; doz., $1.50.** Extra size roots, by **express, each 25c; doz., $2.50.**

KUDZU VINE (Pueraria Thunbergiana) or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and wooly. Fine for porches, arbors, old trees, etc. Small roots, **each 15c; 3 for 40c, postpaid.** Larger roots, **each 25c; 3 for 65c, by express.**

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place.

Strong, 2-year old plants, **each 25c; doz., $2.50;** 3-year old, **each 35c; doz., $3.50;** 4-year old, **each 50c; doz., $5.00, by express.**

VITIS

Wild Grape Vine. We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc. **Each, 25c; 3 for 70c; doz., $2.50, by express; 3 years, extra heavy, each, 35c; 3 for $1.00; doz., $3.50, by express.**

Vitis Heterophylla. Of Japanese origin and of the greatest value for arbors, walls, trellises or woodland. The long clusters of light blue fruit hang through the winter. Foliage of light green, each leaf being delicately incised, or cut. 2 year, **each 50c;** 3 year, **each, 75c, by express.**

WISTARIA

Sinensis. Long clusters of purple flowers. 2 year old plants, **each 50c, by express.**

Alba. Flowers white, in drooping racemes. Large plants, 3 years old, **75c, by express.**

Magnifica. Clusters of purple-lilac flowers. Price, 2-year, **35c;** 3-year, **50c;** 4-year, **75c, by express.**

WATER LILIES

A water garden may be enjoyed in any sunny back yard, as well as in large gardens or parks. When the natural conditions of water or soil are not found, artificial ponds, basins, tanks or tubs may be utilized and the results will be equally satisfactory.

Water gardening is exceedingly simple, the requirements being a water holding receptacle two to three feet deep, of any shape and area desired, a warm sunny situation, some good rich soil, an available supply of water to make good the loss from evaporation and a suitable selection of plants.

We have made arrangements with a well known Water Lily expert to grow our plants for us and in placing orders it will be necessary to allow us ten to twelve days' time so that we can communicate with him.

HARDY NYMPHAEAS

N. candidissima. A vigorous and desirable variety. Flowers good-sized and pure white. An early and free bloomer. **50c each.**

N. fulva. Flower yellow, shaded pink on first day, changing to orange-red; stamens orange; leaves blotched chestnut. **$1.00 each.**

N. Gladstoniana. Flowers dazzling white, 6 to 8 in. across; petals concave and broad. A free and continuous bloomer and one of the finest white Lilies in cultivation. **50c each.**

N. Laydekeri lilacea. Flowers 3 to 5 in. across, rosy-lilac, shaded bright carmine, with a tea rose fragrance. **75c each.**

N. Laydekeri purpurata. A free-blooming variety; flowers medium sized, rosy crimson with reddish orange stamens. **75c each.**

N. Marliacea albida. A vigorous variety; flowers large, of sparkling whiteness, stamens light yellow, sepals flushed pink, fragrant and produced freely and continuously through the season. Very desirable. **50c each.**

N. Marliacea carnea. Similar to the preceding save in color, which is of a soft flesh-pink, deepening towards the base of the petals. **75c each, $7.50 doz.**

N. Marliacea chromatella. A free and vigorous grower, flowers 4 to 6 in. across, bright canary yellow, stamens deep yellow, leaves deep green, beautifully blotched with brown. One of the best. **50c each.**

N. odorata. This is the fragrant Pond Lily of the north-eastern United States; flowers white, 3 to 5 in. in diameter, stamens yellow, leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds. **20c each.**

N. odorata W. B. Shaw. Flowers large, of a rich rose pink color and very fragrant. A strong grower and continuous bloomer. **$1.00 each.**

N. odorata Luciana. An exquisite variety. Flowers 4 to 5 in. across, of pure rose pink, with delightful fragrance. **75c each.**

N. odorata exquisita. Flowers of a very intense rose-carmine, 3 to 5 in. across. Very attractive. **$1.00 each.**

N. odorata sulphurea. Flowers fragrant, 4 to 5 in. across; sulphur yellow, standing well above the water. A desirable variety. **50c each.**

N. odorata Helen Fowler. A new seedling with fragrant flowers 3 to 5 in. across, of a very deep pink color; a strong grower and a continuous bloomer. A desirable variety. **75c each.**

N. pygmæa. The smallest Water-Lily in cultivation. Flowers white, 1½ to 2 in. across. A free bloomer. **75c each.**

N. pygmæa Helvola. A yellow pygmæa, a very dainty Lily and very free flowering. **75c each.**

N. Robinsoni. Large floating flowers of a dark orange-red color. A free bloomer and should be in every collection. **$1.00 each.**

N. tuberosa maxima. Flowers medium size, cup-shaped, pure white with strong fragrance. **20c each.**

N. tuberosa rosea. Flowers of an exquisite shade of pink, 4 to 5 in. across, standing well out of the water. Desirable. **50c each.**

ARTEMISIA LACTIFLORA

Vaughan's Hardy Perennials

Hardy Perennials, better known as "Old Fashioned Garden Flowers," are yearly making rapid strides in popularity and it is not to be wondered at when we consider the many uses for them. We carry a large stock of these old fashioned flowers, also many new ones which are improvements on existing sorts or new introductions entirely.

A properly planted and cared for border of hardy plants can be one of the main features of the home grounds for, by a judicious selection, blooms may be had in it from the melting of the snow until frost sets in.

It is always advisable to have a planting plan, no matter how crude, and arrange on paper the plants you wish to use in their exact relation to position, bearing in mind the heights, colors and time of flowering or foliage effect. All this may be had by consulting the list below. It is always wise to plant in masses as these Perennials are usually found so in nature, and natural conditions should be copied as much as possible. A small number of varieties well arranged are more satisfactory than the whole planted with one of a kind of many varieties.

Parties ordering for the first time and not familiar with the different sorts will do well to consult us, allowing us to make the selection, as we are always willing to give our customers the benefit of our many years of experience.

Bearing in mind that the plants must remain as set for several years, it is well to make a thorough preparation. Have the ground in good tilth before doing any planting. Spade in a liberal quantity of well rotted manure, in the fall before, if convenient.

Planting should be commenced as early as possible in the spring usually about ten days after the frost is out of the ground. The soil is then in good condition. By planting early, the plants have a chance to become established before the hot weather sets in, and will then give better satisfaction the first year. Do this work carefully and cultivate thoroughly afterwards. Pains taken in this direction will be amply repaid.

New and Rare Hardy Plants for 1913

We take pleasure in introducing to your notice the following list of new, rare and desirable varieties, many of them offered for the first time.

ACONITUM Fisheri (Monkshood). Dwarf species not growing over 3 ft. high with glistening foliage and bright blue flowers. Flowering in September-October. **Each 25c; doz. $2.50.**

ACONITUM Spark's Var. A rare plant, growing 5 to 6 feet high. The darkest blue of all. **Each 25c; doz. $2.50.**

AETHEOPAPPUS Pulcherrimus. A most valuable flowering plant both for garden decoration and for cutting. Its flowers, which are not unlike a Sweet Sultan, are a magnificent brilliant rose color and last a long time when cut and placed in water. The plant grows from 2 to 2½ ft. high, flowering in July and perfectly hardy. **Each 25c; doz. $2.50.**

ANCHUSA Myosotidiflora. A distinct new species of dwarf habit not growing over 12 in. high, and producing during April and May, graceful panicles of bright blue Forget-me-not-like flowers. Native to the Caucasus Mountains. **Each 50c.**

ARTEMISIA Lactiflora. This is a genus from which the gardener would not expect great things, the Wormwoods being noted for their medicinal value, and not for their beauty in the garden. This plant, however, has proved to be one of the finest autumn-flowering plants we have. It is perfectly hardy, and grows vigorously anywhere, and the big, bold masses have a most charming appearance, lasting in good condition until cut down by the frost. Height, 4 feet, much branched, each branch being terminated with panicle of creamy-white sweet-scented flowers. **Each 25c; doz. $2.50.**

ASTER Amellus Beaute Parfaite. Fine large dark violet blue flowers, very free flowering and one of the best for this section; flowers from July to September. Height 2 ft. We have had this variety on trial for the past year, and have every confidence in recommending it to our customers. **Each 25c; doz. $2.50.**

ASTER Amellus Perry's Favorite. A new variety with beautiful pink flowers, easily the best pink in Hardy Asters. Height 2 ft. Flowers in July and August. **Each 20c; doz. $2.00.**

ASTER Beauty of Colwall. Distinct novelty with perfectly double flowers of a pleasing shade of lavender. Very free flowering. Height 4 ft. Received First Class Certificate R. H. S. London, 1907. **Each 25c; doz. $2.50.**

ASTER Ibericus Ultramarin. A wonderful, fine new Aster, of brilliant dark blue color. The flowers are placed in large clusters and appear in profusion. A grand acquisition and the best for cutting purposes. **Each 25c; doz. $2.50.**

BETONICA Grandiflora Superba (Woundwort). One of the showiest and most beautiful dwarf growing perennials for rock gardening and for bordering. Furnished from May throughout the season with attractive spikes of deep purple flowers and a very dense, neat and downy foliage. A native of Siberia, being thoroughly hardy in this country and thrives in most any soil. **Each 20c; doz. $2.00.**

DELPHINIUM Capri. A very free flowering sky blue variety with a very strong and healthy constitution. It is easily the best light blue variety yet introduced. **Each 50c; doz. $5.00.**

DELPHINIUM Moerheimi. The first pure white Delphinium and one of the best novelties introduced in years. It grows 4 to 5 ft. high and flowers more continuously than any other Delphinium. It is a decided acquisition and should be valuable for cut flower purposes. **Each 50c; doz. $5.00.**

DIANTHUS Napoleon III Improved. One of the handsomest of all the mule pinks; strong robust grower resembling a carnation. The flowers are a brilliant dark crimson, produced in great profusion from early spring until frost. **Each 25c; doz. $2.50.**

HEMEROCALLIS Florham. A fine new hybrid of American origin, with large and beautifully frilled flowers of rich yellow, growing about 3 ft. in height and blooming in July and August. **Each 25c; doz. $2.50.**

IRIS Interregna. Handsome new hybrids, the result of crosses between Iris germanica and Iris pumila hybrida resulting in an intermediate race of medium height. Blooming in May they fill the gap between the early flowering dwarfs and the later German Irises. They are all hardy, vigorous growers freely producing their large finely colored flowers.

Helge. Lemon Yellow with pearl-white center; delicate and beautiful.

Ingeborg. Very large pure white flowers often five inches deep with petals two inches wide.

Walhalla. A most distinct and beautiful variety. Standards rosy-lavender, Falls velvety claret-red.

Any of above, Each 25c; doz. $2.50.

GERMAN IRIS. Everyone a gem.

Edwin Michel. Intense violet purple very large flower. Somewhat resembles a Japanese Iris. **Each 50c; 3 for $1.25.**

Gajus. Standards pure light yellow, falls yellow veined red. Similar to Gracchus but larger and more beautiful. **Each 30c; doz. $3.00.**

GERMAN IRIS—Continued

King of the Irises. Standards fawn-yellow, falls velvet, with a distinct yellow margin. A very large and handsome flower. **Each 35c: doz. $3.50.**

Loreley. Falls are deep ultramarine-blue, veined cream, margined light yellow. Upper petals are light yellow, which contrasts beautifully to the color of the falls. **Each 30c; doz. $3.00.**

Peacock's Eye. Sepals clear olive yellow; falls plum colored sharply margined with olive yellow. Very distinct. **Each 35c; doz. $3.50.**

Prosper Laugier. Standards bright rose color; falls are very large velvety purple. **Each 50c; doz. $5.00.**

IRIS Versicolor. A native species common to our streams and marshes, flowering in June and July, remaining in bloom a long time. Flowers a very showy light blue. Not a new variety but desirable because it thrives in moist locations. **Each 15c; doz. $1.25; per 100 $8.00.**

MALLOW MARVELS

Tall, free flowering, perfectly hardy plants with remarkably large and showy flowers. They thrive in moist loamy soils and are very valuable border plants, producing throughout a long period numerous mammoth flowers sometimes 6 to 8 in. across. They are also very effective when planted on the banks of pools, either in combination with Shrubs or with other herbaceous plants.

Mallow Marvels. Mixed colors. **Each 30c; doz. $3.00.**

Mallow Marvels. Red, Pink or White. Each 35c; doz. $3.50.

PHLOX ARENDSI

A new type of Phlox originated by the successful crossing of the early flowering Phlox, Divaricata Canadensis with the showy herbaceous varieties of Phlox Decussata. The plants are of vigorous branching habit, growing according to the variety from 12 to 24 in. high. Coming into flower during the latter part of May they continue in good condition for nearly two months, producing a mass of flowers unknown in other types of Phlox. It is an excellent type for Shrub borders and Perennial beds and the flowers last well cut.

Amanda. 15 in. high, well branched. Flowers of medium size, early. Lavender with dark center. A splendid bedder.

Charlotte. 20-24 in. high, many branches producing dense clusters of flowers which are white with a soft Lilac rose sheen and a dark Lilac eye. A splendid cut flower.

Grete. Height 20 in., forming densely branched bushes, loaded and covered with white flowers.

Kaethe. Plants about 20 in. high, well formed, many branches with flowers of a light purplish rose with a dark eye which is surrounded by a light zone.

Luise. Height about 24 in. Color of flower pale lilac with a carmine eye.

Any of above each 50c; 3 for $1.35; doz. $5.00. One each of the 5 varieties for $2.00.

PHLOX DECUSSATA

Braga. Mauve rose, more or less suffused with salmon; large white eye; a distinct and pleasing color combination. **Each 30c; doz. $3.00.**

Elizabeth Campbell. Very large spikes with flowers of a quite new color, light salmon changing to pink in the center. It is the best pink Phlox and the best for bedding. Extra! **Each 25c; doz. $2.50.**

LeMadhi. A metallic bluish-violet color having fine large trusses; a prolific bloomer. One of the very best of its color and an entirely distinct variety. **Each 20c; doz. $2.00.**

Mrs. Jenkins. A very free flowering early variety of medium height producing immense panicles of pure white flowers. The best for massing. **Each 20c; doz. $2.00.**

Rhynstrom. Beautiful color not unlike that of Paul Neyron Rose. A good strong grower and a very free flowering variety. **Each 25c; doz. $2.50.**

Snowbird. This new Phlox which we offer is a seedling of our own. The flowers are large, well formed and pure white with a faint eye; on the reverse side of the petals there are violet markings. It is a very robust grower of medium height and flowers about midseason. **Each 30c; doz. $3.00.**

SALVIA Pitcheri. Fine formed and graceful growing perennial producing during September and October pretty deep blue flowers. Very hardy and thrives in most any location. Height 3 to 4 ft. **Each 25c; doz. $2.50.**

THALICTRUM Dipterocarpum. This is one of the finest hardy plants in cultivation, and was recently introduced from China. The inflorescence is much branched, some of the branches being 2½ ft. long. The individual flowers have comparatively large rosy-purple sepals and numerous yellow anthers the two distinct colors making a very pretty combination. The stems although slender are very strong and quite capable of supporting the light and graceful sprays. Its foliage partakes of the character of Delavayi and aquilegoefolium. It is an excellent garden plant, and will prove very valuable as a cut flower, particularly for table decoration. **Each 50c; doz. $5.00.**

ANEMONE JAPONICA

Hardy Perennial Plants

A General Collection

Regarding Prices

Where price per "eacb" is **15c**, we furnish.....**3 for 40c**
Where price per "eacb" is **20c**, we furnish.....**3 for 50c**
Where price per "each" is **25c**, we furnish.....**3 for 65c**

All orders are forwarded upon receipt, unless otherwise instructed to the contrary. Customers will kindly state at the time of ordering when goods are to be shipped.

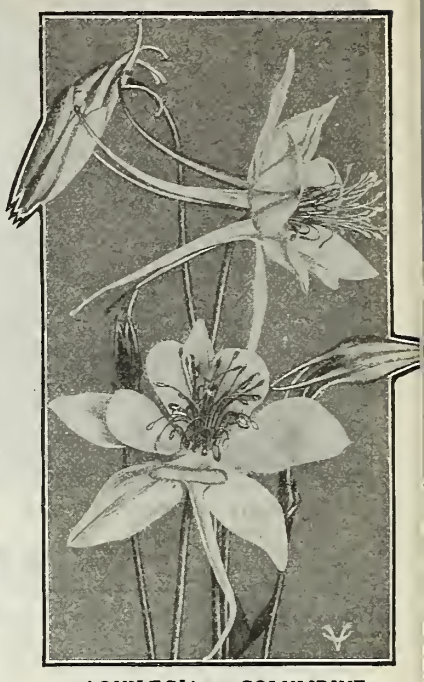
Of all varieties marked with an asterisk (*) we can supply larger clumps at a 50% increase in price, by express only.

Vaughan's Special Offer of Hardy Plants in Variety

The plants in tbe following collections will be of the most desirable varieties and of the best quality, but in every instance tbe selection of varieties will be our own.

We cannot furnisb list of varieties in these collections, but will send out everything labeled.

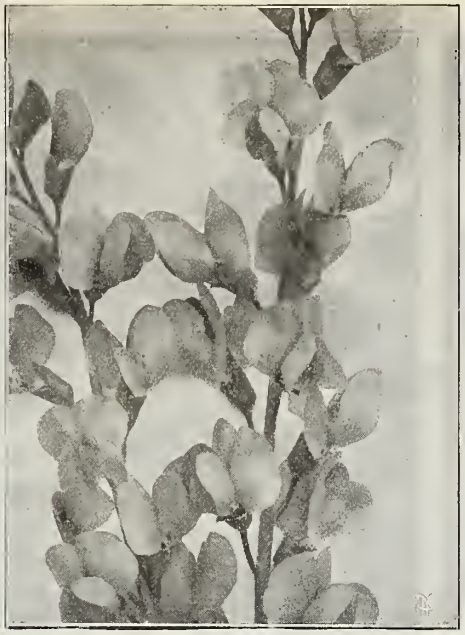
No. 21—Hardy Plants **25** first class plants in variety for **$3.00**
No. 22— " " **50** " " " " " **5.00**
No. 23— " " **100** " " " " " **9.50**
No. 24— " " **250** " " " " " **23.00**
No. 25— " " **500** " " " " " **45.00**
No. 26— " " **1000** " " " " " **85.00**



AQUILEGIA or COLUMBINE

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ACHILLEA	Milfoil. Yarrow.						
***Eupatorium**		All Summer	Yellow	4-5 ft.	15c	$1.50	Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting, especially the Pearl. Boule de Neige is a new variety and is the best of its class
***Millefolium Roseum**		June-Aug.	Pink	2 ft.	15c	1.50	
***Parker's Variety**		June-Aug.	Yellow	4-5 ft.	25c	2.50	
Ptarmica Boule de Neige (Ball of Snow)		June-Aug.	White	2 ft.	25c	2.50	
The Pearl		June-Aug.	White	2 ft.	15c	1.50	
ACONITUM							Erect growing plants, with palmately divided foliage; good for under trees or shady places, where they thrive best. The roots are poisonous. The Wilsoni variety is a novelty recently introduced from China. The graceful flower spikes attain a heigbt of about 6 feet, and produce many fine pale blue or violet flowers. It blooms from the beginning of September until the end of October. Fisheri is a dwarf variety not growing over 3 feet high with glistening foliage and bright blue flowers. Spark's variety is a very rare plant and darkest blue of all.
Autumnale	Monk's Hood or Helmet Flower	September	Deep Purplish Blue	4 ft.	20c	2.00	
Fisheri	"	Sept.-Oct.	Light Blue	3 ft.	25c	2.50	
Napellus	"	Aug.-Sept.	Dark Blue	4 ft.	20c	2.00	
Album	"	Aug.-Sept.	White	2½ ft.	20c	2.00	
Bicolor	"	Aug.-Sept.	Blue and White	2½ ft.	20c	2.00	
Spark's var.	"	Sept.-Oct.	Dark Blue	5 ft.	25c	2.50	
Wilsoni	"	Sept.-Oct.	Pale Blue or Violet	6 ft.	25c	2.50	
ACTAEA							A native plant, with long, featbery racemes; requires a shady place. The flowers are followed by clusters of black berries.
Japonica	Baneberry	Sept.-Oct.	White	2½ ft.	25c	2.50	
ADONIS							A very beautiful, rare, spring flowering perennial for shady situation, flowers double yellow, with green center. A desirable novelty.
Amurensis Fl. Pl.	Pheasant's Eye	April-May	Dble. Yellow	1 ft.	50c	5.00	
ALYSSUM	Madwort						Showy spring flowering plants. Valuable for front row in border or rock garden. Tbe double variety is a special favorite.
Argenteum		June	Golden Yellow	1½ ft.	15c	1.50	
Saxatile Compactum.	Gold Dust	May-June	Golden Yellow	1 ft.	15c	1.50	
Saxatile Fl. Pl.		May-June	Golden Yellow	1 ft.	25c	2.50	
ANCHUSA							Forget-Me-Not like, blue flowers, borne in great profusion. Dropmore variety is new and one of the best blue perennials, coming into bloom before the Delphiniums, and continuing in flower throughout the summer.
Augustifolia	Cape Forget-Me-Not	May-June	Dark Blue	2 ft.	15c	1.50	
Italica Dropmore Variety		May-June	Blue	5-6 ft.	25c	2.50	
Myosotidoflora		May-June	Blue	12 in.	50c	....	
ANEMONE	Wind Flower.						Anemones are valuable hardy plants for the decoration of the garden and for cut flower purposes. Canadensis is a pretty native windflower growing 12 to 15 inches higb producing its white flowers in profusion throughout the summer. The Japanese varieties are valuable plants for the fall. They like a good rich soil, and altbough they will do well in sunny situations if the soil is moist, they do best when planted in partial shade. They should be left undisturbed for years as it is only when they are well established that they are seen in their full beauty.
Canadensis		June-Aug.	White	1 ft.	15c	1.50	
Sylvestris Fl. Pl.	Snowdrop Windflower	May-June	Double White	6-8 in.	25c	2.50	
Sylvestris	Snowdrop Windflower	May-June	Single White	6-8 in.	15c	1.50	
Japonica							
Alice		Aug.-Nov.	Carmine Pink, Dbl.	3 ft.	25c	2.50	
Geante des Blanches		Aug.-Nov.	White	2-3 ft.	25c	2.50	
Honorine Jobert		Aug.-Nov.	Snow White	2-3 ft.	15c	1.50	
Kriemhilde		Aug.-Nov.	Rose Carmine	2-3 ft.	25c	2.50	
Prince Henry		Aug.-Nov.	Dark Red	2-3 ft.	15c	1.50	
Queen Charlotte		Aug.-Nov.	Double Pink	2-3 ft.	15c	1.50	
Rosea Superba		Aug.-Nov.	Rose	2-3 ft.	15c	1.50	
Whirlwind		Aug.-Nov.	Double White	2-3 ft.	15c	1.50	
ANTHEMIS	Marguerite.						This Hardy Marguerite is one of tbe most satisfactory hardy perennials, succeeding in the poorest soil. The flowers are deep yellow.
Kelwayi		May-July	Yellow	1 ft.	15c	1.50	
AQUILEGIA	Columbine.						The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on stems 2 feet or more above the beautiful dark green divided foliage. They are much prized also for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and sbould be grown in quantity, being easy to establisb and thriving in almost any situation. Splendid subjects for naturalizing in a semi-wild garden.
Canadensis		June-Aug.	Red and Yellow	2 ft.	15c	1.50	
Chrysantha	Spurred	June-Aug.	Golden Yellow	3 ft.	15c	1.50	
Alba	Spurred	June-Aug.	Pure White	2 ft.	15c	1.50	
Coerulea	Spurred	June-Aug.	True Blue	1 ft.	15c	1.50	
Hybrida	Spurred	June-Aug.	Mixed	1 ft.	15c	1.50	
Nivea Grandiflora		June-Aug.	White	2 ft.	15c	1.50	
Rose Queen	Spurred	June-Aug.	Beautiful Pink	1 to 1½ ft.	20c	2.00	
Vulgaris Alba Fl. Pl.		June-Aug.	Double white	2 ft.	15c	1.50	
Many Kinds, Mixed		June-Aug.			15c	1.50	

HARDY ASTER



BAPTISIA

BOLTONIA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ARABIS							
Alpina	Rock Cress	April-May	White	6 in.	15c	$1.50	Arabis thrive well in a hot, dry situation and make a good covering for walls or rock garden, also front row in hardy border. They come into bloom very early and can be planted in beds filled with Hyacinths and Tulips in Fall.
Flore Pleno		April-May	White	6 in.	25c	2.50	
ARMERIA	Thrift.						
Formosa		June	Pink	9 in.	15c	1.50	Armerias require a good drained loam. A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.
Maritima		June	Rosy Pink	14 in.	15c	1.50	
ARTEMISIA	Southern Wood						
***Abrotanum**	or Old Man	June		2-3 ft.	15c	1.50	A useful class of plants either for the perennial border or the shrubbery. The variety Lactiflora is especially desirable, producing long, graceful panicles of creamy white flowers.
Lactiflora		Sept.-Oct.	White	4-4½ ft.	25c	2.50	
ASCLEPIAS							
Tuberosa	Butterfly-Weed	June-Aug.	Bright Orange	2 ft.	15c	1.50	Requires good, deep soil and full sun. Fine for cutting; should be in every collection on account of its splendid color.
ASPERULA	Waldmeister						
Odorata	Sweet Woodruff	May	White	6 in.	25c	2.50	Waldmeister is used for May wine. Creeping plant with hay-scented leaves; suitable for planting in shade, shrubbery or woodland.
ASTERS Hardy	Michaelmas Daisy						
Acris	or Starworts	Aug.-Oct.	Soft Blue	1½ ft.	15c	1.50	These are amongst the showiest of our hardy perennials coming into bloom at a time when most other flowers are on the wane. They will succeed in any good garden soil. The varieties we offer are the best for all purposes, the inferior sorts being eliminated. There is a quiet beauty about these Starworts which is charming in the Autumn days, and their variety of color, of form and of bud and blossom is delightful. Even when not introduced into the flower garden they should always be grown for cutting. Nothing can equal them for naturalizing along woodland drives. They are also excellent for forming bold groups to cover the bare ground amongst newly planted shrubs.
Alpinus Superbus		May-Aug.	Blue	7 in.	15c	1.50	
Amellus Beaute Parfaite		July-Aug.	Blue	1 ft.	25c	2.50	
Preziosa	New	August	Deep Blue	2 ft.	25c	2.50	
Roseus		Aug.-Sept.	Dark Rose	2 ft.	20c	2.00	
Beauty of Colwall	New	Sept.-Oct.	Double Lavender	4 ft.	25c	2.50	
Cordifolius (Laevis)		September	Blue	4 ft.	15c	1.50	
Goliath (New)		Aug.-Sept.	Violet purple	1 ft.	25c	2.50	
Grandiflorus	New	July-Aug.	Large Dark Blue	1½ ft.	25c	2.50	
Ibericus Ultramarine	New	Aug.-Sept.	Very Dark Blue	2 ft.	25c	2.50	
Laevis Pulcherrimus		Sept.-Oct.	Pale Lilac	5 ft.	25c	2.50	
Mesa Grande Speciosa Grdfl	New	July-Aug.	Dark Blue	2 ft.	25c	2.50	
Nova Belgiae Glory of Nancy		Sept.-Oct.	White	30 in.	15c	1.50	
Ryecroft Pink		Sept.-Oct.	Rosy Carmine	4 ft.	25c	2.50	
St. Egwin		August	Pure Pink	3 ft.	30c	3.00	
Sub-Coeruleus		June-July	Bluish Violet	1 ft.	15c	1.50	
Thompsoni Nana	New, Scarce	July-Nov	Soft Blue	18 in.	25c	2.50	
White Dwarf Queen		Sept.-Oct.	Large White	3 ft.	15c	1.50	
ASTILBE							
Pink Pearl	Goats Beard	August	Pink	2 ft.	25c	2.50	Thick pyramidal spikes of beautiful pearly pink flowers, blooming in early Aug. Very fine.
BAPTISIA							
Australis	False Indigo	June-July	Dark Blue	2½ ft.	15c	1.50	Strong growing plant suitable for specimen in border, dark green foliage deeply cut, requires full sun and deep loam.
BELLIS	English Daisy						
Perennis		April-June	Pink or White	6 in.	10c	.75	Valuable for edging beds or clumps in front of border.
BLEEDING HEART	See Dielytra	May-June	Pink	2½ in.	15c	1.50	
BOCCONIA							
Cordata	Plume Poppy	July-Aug	Creamy White	6 ft.	15c	1.50	A beautiful tall growing, hardy perennial, fine for back of borders, planting amongst shrubbery, or for center of large perennial beds. Will thrive in ordinary garden soil.
BOLTONIA	False Camomile						
***Asteroides**		July-Oct.	White	4 ft.	15c	1.50	These Aster-like hardy plants are useful for cutting especially the Latisquama type, remaining in bloom a long time; require good rich soil and an open situation in border or shrubbery.
***Latisquama**		July-Oct.	Pink	3 ft.	15c	1.50	

San Leaudro, Cal.

Vaughan's Seed Store:

I wish to thank you for the fine strong plants of peonies you sent me.

Very respectfully yours,
Miss Margaret A. Sullivan.

For Vaughan's Novelties and Specialties in Vegetable and Flower Seeds, Bulbs, and Plants, See Pages 2 to 16

CAMPANULA—CANTERBURY BELL

CHRYSANTHEMUM MAXIMUM

COREOPSIS LANCEOLATA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
CAMPANULA	Bell Flower						A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens, being as a rule, not difficult to cultivate. The Canterbury Bell is familiar and an old favorite, and is to be had in many colors. The habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. The Canterbury Bells are most effective when planted in the mixed borders near the early Phloxes. The Persicifolia varieties are good perennial plants and the new double white variety Moerheimi is especially good, producing large spikes of double Camellia like flowers from the middle of May until late in July. Pyramidalis is a tall growing species sending up its stalks of bloom 5 to 6 feet in height during August and continuing to bloom for six weeks or more. This variety makes splendid specimens for piazza decoration if grown in large pots or tubs.
Carpatica	Harebell	June-Aug.	Blue	1 ft.	15c	$1.50	
Alba		June-Aug.	White	1 ft.	15c	1.50	
Lactiflora		June-Aug.	Soft Blue	3 ft.	20c	2.00	
Latifolia Macrantha		June-Aug.	Dark Blue	3-4 ft.	25c	2.50	
Medium	Canterbury Bells	June-Aug.	Mixed	2 ft.	15c	1.50	
Blue		June-Aug.	Blue	2 ft.	15c	1.50	
Pink		June-Aug.	Pink	2 ft.	15c	1.50	
White		June-Aug.	White	2 ft.	15c	1.50	
Calycanthema	Cup and Saucer	June-Aug.	Mixed	2 ft.	15c	1.50	
Blue		June-Aug.	Blue	2 ft.	15c	1.50	
Pink		June-Aug.	Pink	2 ft.	15c	1.50	
White		June-Aug.	White	2 ft.	15c	1.50	
Persicifolia	Peach Bells		Blue	4 ft.	15c	1.50	
Alba		June-Aug.	Pure White	2 ft.	15c	1.50	
Moerheimi		May-Sept.	Double White	2 ft.	25c	2.50	
Pyramidalis	Chimney Bellflower	September	Blue	4 ft.	20c	2.00	
Alba		September	Pure White	4 ft.	20c	2.00	
Trichelium Album		July-Aug.	White	2-3 ft.	15c	1.50	
CENTAUREA	Hardheads or						Good border plants bearing thistle-shaped flowers of value for cut flowers, which last a long time in water; will grow in any soil.
Montana Mixed	Knap Weed	July-Sept.	Blue and White	18 in.	15c	$1.50	
Ruthenica		July-Sept.	Pale Yellow	3 ft.	15c	1.50	
CENTRANTHUS							Good for border and the rock garden; will thrive anywhere even in a very dry situation.
Ruber	Jupiter's Beard or Red Valerian	MayAug.	Deep Red	2-3 ft.	15c	1.50	
CERASTIUM							Silvery foliage, fine for graves, steep banks and dry places; also formal gardens.
Tomentosum	Snow in Summer	May	White	8 in.	15c	1.50	
CHRYSANTHEMUM							Fine hardy border plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well when cut. They are perfectly hardy and thrive in any soil.
Maximum Type	Moon Penny Daisy	June-July	White	2 ft.	15c	1.50	
Larsoni (New)		June-Sept.	White	2 ft.	25c	2.50	
North Star		June-July	White	2½ ft.	15c	1.50	
Mrs. Chas. Lothian Bell		May-Sept.	Pure White	2 ft.	20c	2.00	
Mrs. J. Tersteeg		June-Sept.	White	3-4 ft.	25c	2.50	
Semi-Plenum,	Half double	July-Sept.	White	3 ft.	25c	2.50	
CIMICIFUGA							Valuable plants for the border by reason of their late flowering, beginning in September and continuing in flower throughout October. The flowers which are white are produced on dense spikes on stems ranging from 2½ to 3 feet high. They succeed well in the shade.
Americana	Snake Root	Aug.-Sept.	White	2-3 ft.	25c	2.50	
Dahurica (New)		July-Sept.	Creamy White	3 ft.	30c	3.00	
Simplex (New)		Sept.-Oct.	White	3 ft.	50c	5.00	
CLEMATIS							Good for covering large rocks or tree stumps. Will thrive in any good place with deep soil. Sweet-scented and can be used as a cut flower.
Recta	Shrubby Clematis	June-July	Pure White	2¼ ft.	25c	2.50	
Recta Fl. Pl.,	New double		White		50c	5.00	
COREOPSIS	Tickseed						One of the most popular hardy plants, the flowers a rich golden yellow of a beautiful graceful form. They are indispensable for cut flower purposes.
Lanceolata		May-Oct.	Yellow	2 ft.	15c	1.50	
Rosea		June-Sept.	Pink	1 ft.	15c	1.50	
DAISY (English)							Indispensable for edging beds, borders or graves; will grow in any soil, but prefer a partially shaded situation. By cutting off the faded flowers, the flowering season is prolonged and fresh flowers may be had all the Summer.
Mammoth Pink or White		All Summer	Pink or White	6 in.	10c	.60	
DAISY (Shasta)							Burbank's new semi-double is everblooming, with semi-double flowers, flowering throughout the whole season. Exceptionally fine for cutting.
Shasta Improved		May-Oct.	White	2 ft.	15c	1.50	
See also "Bellis"							

See page 111 for New and Rare Hardy Plants of recent introduction.

DELPHINIUM (Larkspur)

OLD-FASHIONED HARDY GRASS OR CLOVE PINK

DIGITALIS (Foxglove)

Botanical Name	Common Name.	Flowering Period.	Color.	Height.	Each	Doz.	Use. Soil, Position, Etc.
DELPHINIUM	Perennial Larkspur						Few plants are so handsome in the garden as these perennial Larkspurs. There are many species in cultivation but the most important are the tall hybrids of which there are many varieties with a wonderful range of color. They are valuable for their great variety in height, varying from 1 to 6 feet, for their great variety in shades of color, ranging from the palest lavender through every conceivable shade of blue to deep indigo. There is also a great variety in the size and form of their individual blooms, some are single, some semi-double and some perfectly double. They thrive in almost any situation or soil, and are easily increased, being perfectly hardy. A good deep rich soil will repay with larger and better flowers.
Belladonna		May-Sept.	Sky Blue	2 ft.	25c	$2.50	
Semi Plena	Semi Double	May-Sept	Sky Blue	2 ft.	50c	5.00	
Capri	New		Sky Blue	3-4 ft.	50c	5.00	
Chinense		June-Aug.	Light Blue	3 ft.	15c	1.50	
Album		June-Aug.	White	3 ft.	15c	1.50	
Dwarf Blue	New	June-Aug.	Sky Blue	1 ft.	20c	2.00	
Cineraria Blue	New	June-Aug.	True Blue	2 ft.	20c	2.00	
Formosum		July-Sept.	Deep Blue White Eye	4 ft.	15c	1.50	
Coelestinum	Pillar of Beauty	July-Sept.	Sky Blue	3-4 ft.	20c	2.00	
J. S. Brunton		June-Aug.	Sky Blue	3-4 ft.	35c	3.50	
King of Delphiniums	New	July-Aug.	Indigo Blue, White Eye	4 ft.	50c	5.00	
Moerheimi	New	June-Oct.	White	4-5 ft.	50c	5.00	
Mrs. Thompson	New	July-Aug.	Clear Blue, White Eye	3 ft.	25c	2.50	Every three or four years they should be lifted and divided; this is best done in Spring. Delphiniums can be made to bloom for several months by continually cutting off the spikes immediately after they have done flowering.
Persimmon	New	July-Aug.	Sky Blue, White Eye	4 ft.	50c	5.00	
Gold Medal Hybrids		July-Aug.	Mixed	4 ft.	15c	1.50	
Kelway's Hybrids		July-Aug.	Mixed	3 ft.	15c	1.50	
DIANTHUS	Hardy Garden Pink.						These very desirable sweet-scented, low growing, early blooming and free flowering Hardy Garden Pinks are unequaled for the borders of beds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil with full sun and an open situation.
Abbotsford		May-June.	Double Pink	12 in.	20c	2.00	
Barbatus	See Sweet William						
Delicata	New	May-June.	Silvery Mauve	12-18 in.	30c	3.00	
Diamond		May-June.	Pure White	12 in.	15c	1.50	
Gloriosa (New)		May-June.	Bright Lilac Rose	12 in.	30c	3.00	
Her Majesty		May-June.	Pure White	12 in.	15c	1.50	
Latifolius Atro-Coccineus plenus		May-June.	Fiery Crimson	15 in.	15c	1.50	
Napoleon III Improved		May-Oct.	Dark Red	2 ft.	25c	2.50	We would especially call attention to our improved Napoleon III which although a mule pink produces large flowers on good long stiff stems and resembles a good dark red carnation. It is perfectly hardy and is better than any hardy carnation known.
Perfection		May-June.	White, Crimson Center	12 in.	20c	2.00	
Plumarius Single		May-June.	Mixed	15 in.	15c	1.50	
Double		May-June.	Mixed	12 in.	15c	1.50	
Queen Louise		May-June.	White, Red Center.	12 in.	20c	2.00	
DICTAMNUS							An odd plant of vigorous growth, emitting a strong lemon odor. The flowers will give a flash of light on a sultry summer evening if a lighted match is held near them.
Caucasicus	Gas Plant	June-July.	Rosy Pink	2½ ft.	25c	2.50	
Fraxinella		June-July.	Pink	3 ft.	15c	1.50	
Alba		June-July.	Pure White	2½ ft.	15c	1.50	
DIELYTRA			Pink and White				So-called from its drooping heart-shaped flowers; will thrive in any part of the hardy border; good for forcing in pots and planting in shady places; likes rich, sandy loam.
Spectabilis	Bleeding Heart	May-June.	Heart Shaped	2 ft.	15c	1.50	
DIGITALIS	Foxglove						This old-fashioned summer flowering plant, commonly known as Foxglove, thrives in almost any soil under all conditions; makes a fine plant for the back of borders or grouping in beds; prefers a light, sandy loam. The Monstrosa variety is peculiar in that its spikes bear but a single terminal flower.
Ambigua		July-Aug.	Yellow	3 ft.	15c	1.50	
Gloxiniaeflora		July-Aug.	Pink, Purple White or Mixed.	4 to 5 ft.	15c	1.50	
Lanata		June-Aug.	Creamy White	2-3 ft.	15c	1.50	
Maculata Iveryana		July-Aug.	Spotted, vars.	3 ft.	15c	1.50	
Purpurea Monstrosa		July-Aug.	Mixed	3-4 ft.	15c	1.50	
DORONICUM							Blossoming very early in the season with stiff stems that render them suitable for cutting. Useful for naturalizing in woodlands. Damp, strong soil suits them best.
Excelsum		April-May.	Yellow	18 in.	20c	2.00	
ECHINACEA	Giant Purple						A fine, strong-growing perennial with a distinct color, suitable for shrubbery and back of border. Requires deep, rich soil to obtain large flowers.
Purpurea	Cone Flower.	June-July.	Reddish Purple	3 ft.	15c	1.50	

Asplenium Felix-Foemina Asplenium Angustifolium Adiantum Pedatum Aspidium Acrostichoides Aspidium Cristatum

HARDY FERNS

A place for Hardy Ferns can be found in nearly every garden. They are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing a woodlawn they are fine subjects associated with Foxgloves, Funkias and Aquilegias. They make a grand effect for shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage, and plenty of water during dry periods.

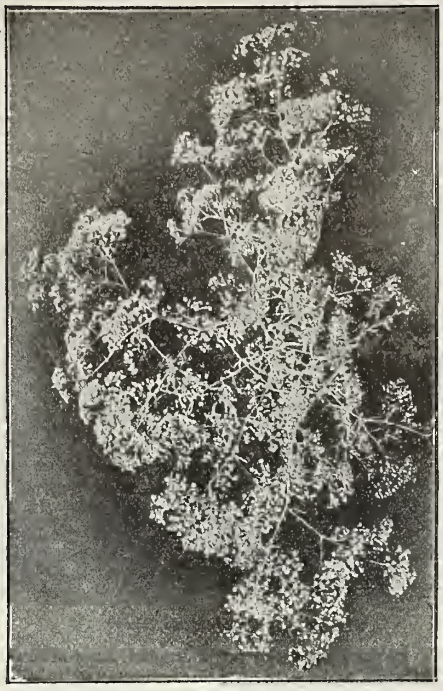
Adiantum Pedatum (Maidenhair Fern) One of the daintiest and prettiest, grows about 1 foot high.
Asplenium Angustifolium (Spleenwort) A fine tall fern reaching 3 feet in good moist rich soil.
Asplenium Felix-Foemina (Lady Fern) Fine delicate fronds 1 to 3 feet in height, very hardy, will grow in the sun if soil is kept moist.
Aspidium Acrostichoides (Christmas Fern) An evergreen species, about 1 foot high, with deep green fronds.
Aspidium Cristatum This species grows from 1 to 2 feet, in wet, swampy places, with fronds about 3 inches wide.
Aspidium Goldieanum One of the finest Aspidiums, frequently growing 4 feet high.
Aspidium Marginale Fronds 1 to 2 feet in length, 3 to 5 inches wide.
Aspidium Spinulosum (Wood Fern) A very pretty evergreen species about 15 inches high, with finely bisected fronds.
Aspidium Thelypteris Very variable, fronds are about 2 feet high and the pinnae long and narrow.
Onoclea Sensibilis (Sensitive Fern) 1 to 2 feet. Wet places, open or shade.
Onoclea Struthiopteris (Ostrich Fern) One of the most stately and best for cultivation; sometimes 4 feet high with handsome dark green fronds forming the outline of a vase.
Osmunda Claytoniana A good fern for the shady corner, 7 to 12 inches wide, broader than long.

Any of the Above Hardy Ferns Each 20c; Doz. $2.00.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
ECHINOPS							
Ritro	Globe Thistle	July-Aug.	Blue	3 to 4 ft.	20c	2.00	A stately plant for border or shrubbery with globular heads, which can be dried and put amongst grasses for a long time. Sandy loam or any good garden soil.
Sphaerocephalus		July-Aug.	Pale Blue	5 ft.	20c	2.00	
ERIANTHUS	See Grasses						
ERYNGIUM							These are exceedingly pretty both in flower and foliage, and deserve to be better known. The flower heads are invaluable for cutting from June to September, and much used for winter decoration.
Amethystinum		July-Sept.	Steel Blue	3 ft.	25c	2.50	
Oliverianum		July-Sept.	Steel Blue	3 ft.	20c	2.00	
Planum		July-Sept.	Pale Blue	3 ft.	15c	1.50	
EULALIA	See Grasses						
EUPATORIUM	Thorough Wort						Strong growing border plants suitable for cutting; they bear minute white flowers in dense heads; ordinary garden soil suits them.
Ageratoides		Sept.-Oct.	White	3 ft.	15c	1.50	
Coelestinum		Sept.-Oct.	Light Blue	2 ft.	15c	1.50	
Frazeri		Sept.-Oct.	White	1½ ft.	15c	1.50	
Purpureum	Joe Pye Weed	Aug.-Oct.	Purple	3-4 ft.	15c	1.50	
EUPHORBIA							A native plant grown for its minute white flowers, which have a distinct green eye. Good for cutting; grows in any soil with open position.
Corollata	Flowering Spurge	June-Aug.	White	1½ ft.	15c	1.50	
FUNKIA	Day Lily						Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best. They will grow in any good, rich soil.
Cucullata Medio Picta		August	Purple	1 ft.	25c	2.50	
Fortunei		August	White and Lilac		25c	2.50	
Lanceolata		August	Dark Blue	1 ft.	15c	1.50	
Subcordata Grandiflora Alba		Aug.-Sept.	Pure White	1½ ft.	15c	1.50	
Thomas Hogg		Aug.-Sept.	Rosy Purple		25c	2.50	
Undulata Medio Variegata		May-June	Purple, Var. Foliage.	1 ft.	15c	1.50	
GAILLARDIA	Blanket Flower		Orange Red, Brown and Crimson	1½ ft.	15c	1.50	Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer. One of the most satisfactory plants for any soil and position, and we recommend extensive cultivation, as they are grown with little trouble.
Grandiflora		June-Oct.					
"	Copper Red	June-Oct.	Copper Red	1½ ft.	20c	2.00	
"	Maxima	June-Oct.	Yellow	1½ ft.	20c	2.00	

We can supply many of these Perennials in large quantities and shall be pleased to quote special prices for large plantings.

GAILLARDIA



GYPSOPHILA PANICULATA FL. PL.

HEMEROCALLIS

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
GENTIANA	Gentian						
Clusii	Closed Gentian	Aug.-Oct.	Deep Blue	12 in.	15c	$1.50	Plant in a permanent position where plants will not be disturbed; moist soil and good drainage; fine for rockwork or borders.
GERANIUM	Crane's Bill						
Grandiflorum		May-July.	Violet-Blue	15 in.	25c	2.50	Good early Summer flowering plants for front of borders, or the rock garden; will thrive in any ordinary garden soil.
Sanguineum		May-July	Crimson	12 in.	15c	1.50	
Album		May-July	White	1 ft.	15c	1.50	
GEUM	Avens						
Mrs. Bradshaw		June-Sept.	Double Crimson	2-3 ft.	25c	2.50	Useful plants for well-drained ground and rock gardens; good border plants, showy on account of their bright colors.
Splendens		May-Sept.	Orange Yellow	18 in.	15c	1.50	
GLECHOMA or Nepeta	Variegated Ground Ivy		Variegated Foliage	3 in.	15c	1.50	A useful plant for hanging baskets, growing over rocks and window boxes; foliage white and green; grows in any good soil.
GRASSES	For Foliage only						Ornamental Grasses can be used with telling effect in borders, shrubberies, by the margins of lakes and streams, or as single specimens on the lawn. The Erianthus or hardy pampas grass is the tallest grower, frequently reaching 10 feet high. The Eulalias are very pretty and graceful; Univittata being green with a white midrib; the Japonica Variegata is a beautiful variegated form and is the best of the variegated kinds. Japonica Zebrina, the Zebra grass, has broad yellow horizontal bands. The Variegated ribbon grass is an old favorite and is often used for border work or naturalizing in the wild garden.
Erianthus Ravennae	Hardy Pampas		Silver White Midrib	10 ft.	25c	2.50	
Eulalia Gracillima Univittata			Green and White,	3-4 ft.	15c	1.50	
Japonica Variegata	Japan Rush		Pink and Yellow	4 ft.	20c	2.00	
Eulalia Japonica Zebrina	Zebra Grass		Broad Yellow Bands	5 ft.	25c	2.50	
Festuca Glauca	Blue Fescue Grass		Blue Foliage	1 ft.	15c	1.50	
Phalaris Arundinacea Variegata	Gardener's Garters or Ribbon Grass		Variegated	18 in.	15c	1.00	
GYPSOPHILA							The double form is especially desirable and as a cut flower is becoming very popular. Repens monstrosa is a dwarf variety and is suitable for rock-work or the front of the hardy border.
Paniculata	Baby's Breath	July-Aug.	White	1½ ft.	15c	1.50	
Flore Pleno		July-Aug.	Double White	3 ft.	25c	2.50	
Repens Monstrosa		July	White	1½ ft.	20c	2.00	
HELENIUM	Sneezewort.						Blooming for a long period, are amongst the best of hardy flowers, affording a good quantity of cut-flowers which last a long while, they are worthy of extensive planting; and thrive in any soil and are good for specimens in border and covering back fences, also amongst shrubbery and the wild garden.
Autumnale Superbum		Sept.-Oct.	Deep Yellow	6 ft.	15c	1.50	
***Rubrum**		Sept.-Oct.	Red	6 ft.	20c	2.00	
Hoopesi		June-Sept.	Bright Orange	2 ft.	15c	1.50	
Riverton Beauty		Aug.-Oct.	Lemon Yellow Black Cone	3 ft.	25c	2.50	
Riverton Gem		Aug.-Oct.	Old Gold and Terra Cotta	3 ft.	25c	2.50	
HELIANTHUS	Hardy Sunflower						Hardy Perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water. Being heavy feeders they require a good, deep soil. Fine for back borders, shrubbery and woodlands. All varieties are single flowering, except Multiflorus Plenus and Rigidus Semi-pl.
Divaricatus		Aug.-Oct.	Yellow	2-3 ft.	15c	1.50	
Miss Mellish		Sept.-Oct.	Golden Yellow	6 ft.	15c	1.50	
Multiflorus Plenus	Dahlia Sunflower	Aug.-Sept.	Double Yellow	5 ft.	15c	1.50	
Rigidus Semi-pl		Aug.-Sept.	Orange Yellow	5 ft.	15c	1.50	
Ligeri		July-Sept.	Golden Yellow	5-7 ft.	15c	1.50	
Sparsifolius		Aug.-Oct.	Deep Yellow	6-8 ft.	15c	1.50	
HELIOPSIS	Orange Sunflower						Similar to Helianthus in habit, but more dwarf and sturdy; a fine cut-flower; requires good, deep soil.
Pitcherianus		June-Aug.	Orange Yellow	5 ft.	15c	1.50	
Scabra Major		June-Aug.	Orange	5 ft.	15c	1.50	
HEMEROCALLIS	Yellow Day Lily						The Day Lilies grow anywhere in either partial shade or full sun. Good for borders, shrubberies, wild garden or naturalizing in grass. They are decorative when freely planted along the waterside and like lots of moisture. Mixed with German Iris they are very effective. Require good soil to get the best results. Hardy Perennials are the most satisfactory of all flowers because of their permanent character and the naturalness of their beauty.
Aurantiaca		June-July	Orange-Yellow	2-3 ft.	25c	2.50	
Aureole		June-July	Crimson	2 ft.	35c	3.50	
Citrina		June-July	Lemon Yellow	4 ft.	35c	....	
Dr. Regel		June-July	Rich Apricot	2½ ft.	30c	3.00	
Dumortieri		June-July	Rich Yellow	2 ft.	15c	1.50	
Flava		July-Aug.	Yellow	3 ft.	15c	1.50	
Florham		July-Aug.	Rich Yellow	3 ft.	25c	2.50	
Fulva		June-July	Coppery Orange	3½ ft.	15c	1.50	
Kwanso Fl. Pl.		June-July	Double Orange Soft Chrome	3½ ft.	10c	1.00	
Sovereign		July	Yellow	2½ ft.	25c	2.50	

JAPANESE IRIS

SIBERIAN IRIS (Yale Blue)

GERMAN IRIS

(Fleur-de-Lis or Flag Iris)

German Iris are all sun-lovers and delight in a well drained situation. They almost outrival the Orchid in delicacy and richness of coloring. They are splendid for beds, border or front of shrubbery. Plant in bold groups for best effect. Avoid planting too deep, barely covering the rhizomes (creeping root stems) being quite sufficient.

GERMAN IRIS

☞"S" refers to the three standard, or upright curling petals; "F" to three falls or drooping petals.

Bridesmaid "S" White, shaded silvery lilac. "F" Reticulated at the base and slightly frilled soft lilac.
Canary Bird "S" Soft creamy yellow. "F" Pale cream with striped base.
Celeste Fine satiny blue. This is one of the most beautiful Iris.
Charles Dickens "S" Blue. "F" Dark blue, suffused dark purple.
Darius "S" Lemon yellow. "F" Purple, bleaching on edge and top to pale yellow, large.
Edith Cook "S" Azure blue. "F" Indigo blue with white at base, veined.
Gajus "S" Light clear yellow. "F" Crimson, reticulated white and yellow, clear yellow picotee edge. **Each 30c; doz. $3.00.**
Gracchus "S" Yellow. "F" Crimson reticulated white; 18 inches.
Hector "S" Soft clouded yellow. "F" Velvety crimson; showy; 30 inches.
Heteranth "S" Bright blue. "F" Deeper blue. Early.
Jenny Lind Beautiful velvety purple brown. **Each 30c; doz. $3.00.**
King of Iris "S" Lemon yellow. "F" Deep brown and yellow. One of the most beautiful of all Iris. **Each 40c; doz. $4.00.**
L'Avenir A beautiful shade of satin blue.
Lord Salisbury "S" Amber white. "F" Dark violet purple.
Loreley Very fine. "S" Light yellow. "F" Ultramarine blue, bordered cream. **Each 30c; doz. $3.00.**
Mme. Chereau The prettiest and tallest of all. "S" and "F" White, daintily edged with porcelain blue.
Maori King "S" Golden yellow. "F" Velvet crimson-edged yellow; very distinct and striking. **Each 25c; doz. $2.50.**
Mars "S" Light yellow. "F" Pale yellow with violet blotches and veins.
Mrs. H. Darwin "S" Clear waxy white. "F" White with violet veins.
Mrs. Neubronner The best deep golden yellow. **Each 25c; doz. $2.50.**
Pallida Dalmatica The largest and most beautiful of all the German Iris. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender. Valuable as a cut-flower. **Each 25c; doz. $2.50.**
Parisiensis Large deep blue striped and mottled bright lilac on edges of petals.
Peacock's Eye "S" Clear olive yellow. "F" Brownish, shading to a clear yellow border on edges. **Each 30c; doz. $3.00.**
Penelope "S" Pure white. "F" White, veined purple, crested yellow.
Pharaon Lilac; very fine.
Plicata "S" and "F" Bright violet purple.
Prosper Laugier "S" Clouded rose. "F" Velvety purple. Very large; a most beautiful new variety. **Each 50c; doz. $5.00.**
Queen Emma A very beautiful pure white. Very early.
Queen of May "S" Lilac pink. "F" Lilac, blended with white; distinct.
Sambucina "S" Coppery rose. "F" Rosy purple with orange crest.
Sans Souci "S" Golden yellow. "F" Yellow veined with crimson brown.
Sir Walter Scott "S" Bronzy yellow. "F" Rich crimson brown; 30 inches.
Stenophylla "S" Pale blue, indistinct stripes. "F" Darker. Tall.
Venus "S" Lemon yellow, shading to golden yellow towards the base. "F" Deeply veined with purple on a white ground.
Walneri "S" Lavender. "F" Purple lilac.
William III Large dark violet. Fragrant.
German Iris Mixed. **Each 10c; doz. $1.00; per 100 $5.00; 1000 $45.00.**

PRICE: (Except where noted) Each 15c; doz $1.50; per 100 $8.00; 1000 $75.00

JAPAN IRIS

Iris Kaempferi A splendid hardy plant of easy growth; delights in constant cool, moist soil. In its native home it flourishes in swamps succeeding admirably by the side of streams, lakes and ponds. Few people are aware of the beauty of this class of Iris, which commences blooming about the middle of June and continues for five or six weeks. Many of the flowers measure 8 to 10 inches in diameter. Our collection consists of the very choicest.

Blue Jay Fine azure blue, freely mottled.
Crystal Double pale violet.
Dinah Double reddish pink, flaked white.
Eclaire Largest white
Mt. Hood Light blue, shaded dark.
Norane Single blue, with lighter stripes.
Norma Very deep lavender, double.
Oriole Deep amaranth, yellow center.
Paragon Rich velvety purple; center marked with orange; very distinct.
Princess Clothilde Double, light blue.
Pyramid Violet-blue, veined white.
Spotted Beauty Large size, double, silky white, freely and finely spotted with violet crimson.
Topaz Light rose; single.
Tortoise Magenta, dotted and flaked with white.
Victor Violet purple with white veins.

Any of above, each 25c; dozen $2.50. The set of 15 varieties $3.00. Mixed Varieties. Each 15c; dozen $1.50, per 100 $12.00.

IRIS INTERREGNA —New.

Resulting from a cross between the Pumila and German Iris, this type has retained the good qualities of both and yet is entirely distinct. It has the strength and vitality of the Pumila as well as the large flower and beautiful colors of the German type. Blooming profusely after the former has faded but earlier than the latter, the Interregna type fills the gap and supplies a perfection of bloom throughout a considerable period, when flowers are greatly prized. The height is intermediate and its freshness of foliage is kept until autumn.

Helge Light lemon petals above and a beautiful mother of pearl shade below. Very large, flower often measuring 4 inches across.
Ingeborg Pure ivory white with sufficient pale orange stripes to relieve the monotony of a single shade.
Walhalla Rosy lavender petals above with a delicate claret red below. A very distinct sort.

Any of these each 25c; any 3, 65c; doz. $2.50.

SIBERICA ORIENTALIS ("Yale Blue")

Strong, free-growing Iris, adapting itself to almost any position, and producing a mass of deep blue flowers under the most adverse conditions from June to August. **Each 15c; doz. $1.50.**
Siberica Snow Queen Snow-white flowers borne on strong, erect stems. **Each 15c; doz. $1.50.**

PUMILA HYBRIDA

Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris. **Cyanea** Rich royal purple with black shading. **Florida** Beautiful lemon yellow shaded darker. **Each 15c; doz. $1.25; per 100 $8.00.**

DOUBLE HOLLYHOCK

LILY OF THE VALLEY

LATHYRUS (Everlasting Pea)

HOLLYHOCKS

Hollyhocks are undoubtedly among the most ornamental and handsome garden flowers, with their tall spikes, dotted all the way up with large flowers of the most lovely shades of colors. They fit in the smallest garden, and can be used with great effect in all kinds of borders, shrubbery, against the house or along the fence. No matter where they are planted they are always handsome, pleasing and ornamental. The Hollyhock requires a rich, deep soil, well drained and will repay in quantity and elegance of bloom any extra care. A slight protection during the winter will be beneficial.

	Each	Doz.	100
Double Black, White, Pink, Red or Yellow	20c	$2.00	$12.00
Double Mixed	15c	1.50	10.00
Allegheny Mixed, semi-double and single	20c	$2.00	$12.00
Old-Fashioned Single, mixed	15c	$1.50	

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
HEUCHERA	Alum Root						
Brizoides Gracillima		May-June	Rosy Carmine	2 ft.	20c	2.00	They are of the simplest cultivation, and thrive well in ordinary garden soil. Their dainty sprays of rose carmine and scarlet flowers make them invaluable for cutting. Flambeau and Pluie de Feu are new European varieties, which we can with confidence recommend.
Flambeau (New)		June	Brilliant Rose	2 ft.	25c	2.50	
Pluie de Feu (New)		June	Scarlet	2 ft.	25c	2.50	
Sanguinea		June	Scarlet	1½ ft.	25c	2.50	
HIBISCUS	Mallow		Pure White,				
Crimson Eye		Sept.-Oct	Crimson Center	4 ft.	15c	1.50	Tall growing, stately plants for the back of borders also can be used as a hedge. They are prized on account of their colors which are very uncommon. Thrive in any soil; should find a place in every hardy garden. The Mallow Marvels are new hybrids with immense flowers and gorgeous coloring, very attractive.
Mallow Marvels		July-Sept	Mixed Colors	6 ft.	30c	3.00	
Mallow Marvels, Red, White or Pink		July-Sept		6 ft.	35c	3.50	
Moscheutos		Sept.-Oct	Soft Pink	5 ft.	15c	1.50	
IBERIS	Hardy Candytuft						
Gibraltarica		April-May	Lilac Mauve	12 in.	15c	1.50	Dwarf evergreen plants covered with blooms in Spring and during early Summer. Little Gem is especially suited to border and rockwork. Gibraltarica is fine for edging shrubbery or borders and will thrive in any good soil.
Little Gem		April-May	Small White	6 in.	20c	2.00	
Sempervirens		April-May	White	10 in.	15c	1.50	
INCARVILLEA	Hardy Gloxinia						
Delavayi		May-July	Rose Colored	2 ft.	15c	1.50	One of the greatest novelties of the century. A lovely new Chinese plant for sunny situations, producing spikes of elegant, Gloxinia-like flowers, arranged in clusters with foliage gracefully cut. Plant in deep, rich soil.
Grandiflora		May-July	Crimson	1 ft.	20c	2.00	
INULA	Flea Bane						
Ensifolia		May-Aug	Bright Yellow	12 in.	20c	2.00	Showy and highly decorative plants. Glandulosa is much prized for cutting, producing flowers two inches across of a peculiar formation. They will thrive in any ordinary garden soil.
Glandulosa Grandiflora		June-Aug	Yellow	2½ ft.	20c	2.00	
LATHYRUS	Hardy Flowering Pea						
Latifolius Albus		June-Aug	White	4-5 ft.	15c	1.50	The everlasting Pea, effective and easily grown, forms a very decorative object when trained over old tree stumps, banks, pyramids, or forming floral screens. They are good cut-flowers with strong, wiry stems, requiring deep, rich soil, their roots extending to a great depth.
Pink Beauty		June-Aug	Pink	4-5 ft.	15c	1.50	
Rubra		June-Aug	Red	5-6 ft.	15c	1.50	
White Pearl (New)		June-Aug	Pure White	4-5 ft.	30c	3.00	
LAVENDULA Vera	Lavender	June-Aug	Blue		15c	1.50	Delightfully fragrant flower, much used when dry on account of its sweet odor. We offer the true variety.
LEUCANTHEMUM Praecox Perfection	Early Spring Marguerite	June-Aug	White	2 ft.	20c	2.00	Very similar to the Shasta Daisy and requiring the same soil and treatment.
LIATRIS	Blazing Star or Gay Feather						
Pycnostachya		July-Sept	Rosy Purple	3 ft.	15c	1.50	Carrying feathery flower spikes; are effective border plants thriving at the margin of streams or in the open border. They commence to flower at the top of spike and so on downward; very effective.
Spicata		July-Sept	Deep Purple	5 ft.	15c	1.50	
LILY OF THE VALLEY	Clumps	May-June	White	8 in.	30c	3.00	Good for shade and under trees.
LINUM	Flax						
Flavum		June-Sept	Yellow	1 ft.	15c	1.50	A desirable plant for the border, with light, graceful foliage and blue flowers produced through the entire Summer if cut down after the first blooming.
Perenne		June-Sept	Sky-Blue	1½ ft.	15c	1.50	
Perenne Album		June-Sept	White	1½ ft.	15c	1.50	
LOBELIA	Cardinal Flower						
Cardinalis		July-Sept	Fiery Scarlet	2 ft.	15c	1.50	Deep, rich, moist soil is best. For the margins of ponds or damp border.

MERTENSIA (Blue Bells)

PAPAVER (Oriental Poppy)

MONARDA (Oswego Tea)

To obtain best results these hardy perennials or "Old-Fashioned" flowers as they are generally known, should be planted in masses or large clumps. This is particularly true of Gaillardia, Iris, Helenium, Asters, Boltonias, Monarda, Larkspur, etc.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
LUPINUS	Lupine						
Polyphyllus		May-June	Blue	3 ft.	15c	$1.50	Effective plants producing when established large spikes of flowers. They should be planted in well prepared garden soil and well watered during a period of dry weather.
Albus		May-June	White	3 ft.	20c	2.00	
Moerheimi (New)		May-June	Pink and White	3 ft.	30c	3.00	
Roseus		May-June	Pink	3 ft.	30c	3.00	
LYCHNIS	Campion						
Chalcedonica		June-Sept.	Orange Scarlet	2-3 ft.	15c	1.50	Highly ornamental plants for summer, the taller kinds being valued for cut flowers and border plants; the dwarfer varieties make pretty plants for front row of border or rockwork and thrive in any good garden soil in a sunny position.
Rubra Flore Pleno		July-Sept.	Double Scarlet	2 ft.	25c	2.50	
Alba		May-Aug.	White	1½-2½ ft.	20c	2.00	
Flore Pleno		May-Aug.	Double White	1½-2½ ft.	25c	2.50	
Haageana	Maltese Cross	May-June	Orange Scarlet	1 ft.	15c	1.50	
Sieboldi		June-July	White	1 ft.	20c	2.00	
Viscaria	Catch Fly	June July	Crimson	1 ft.	15c	1.50	
Flore Pleno	Double Catch Fly	June-July	Crimson	1 ft.	15c	1.50	
LYSIMACHIA							
Nummularia	Creeping Jenny	June-Aug.	Yellow	4 in.	15c	1.50	Effective in clumps or wild garden. Requires a moist situation. Nummularia is fine for banks, vases, beds, stumps or rockeries and can be used in hanging baskets.
LYTHRUM	Black Blood						
Roseum Superbum		May-Sept.	Reddish Purple	3 ft.	15c	1.50	Produces large spikes of rose-colored flowers, and can be used for margins of lakes and ponds, also borders and shrubbery. Any good soil suits them.
MERTENSIA	Blue Bells or Virginian						
Virginica	Cowslip	May-June	Light Blue	18 in.	15c	1.50	A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.
MINT	Old Fashioned	**Clumps, each, 15c; doz., $1.50**			10c	1.00	An old favorite, will grow anywhere.
MONARDA	Oswego Tea or						
Didyma	Bee Balm	June-Sept.	Brilliant Scarlet	2 ft.	15c	1.50	Fine for naturalizing in woods and shrubbery, bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.
Hybrids		June-Sept.	Mixed	2 ft.	15c	1.50	
MYOSOTIS Palustris							
Semperflorens	Forget-me-not	May-Aug.	Blue	6 in.	15c	1.50	The true Forget-me-nots—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground.
OENOTHERA	Evening Primrose						
Macrocarpa		June-Sept.	Yellow	6 in.	15c	1.50	Showy and easily grown in all soils; useful in wild garden and border; makes good plants for front of border. Macrocarpa is a beautiful variety with prostrate stems bearing immense yellow flowers during July and August
Speciosa Rosea		June-July	Large White	2-3 ft.	15c	1.50	
Youngei		May-Aug.	Golden Yellow	2 ft.	15c	1.50	
OLD MAN	See Artemisia				15c	1.50	
PAPAVER	Oriental Poppy						
Goliath		June-July	Scarlet	3½ ft.	25c	2.50	For gorgeous coloring the Oriental Poppies have few rivals amongst hardy plants, making a magnificent effect in the border, shrubbery or wherever large breaks of distinct and glowing colors are required. Their freedom of bloom renders them conspicuous in any position. Good, deep, rich soil and open situation suit them best. We offer only the finest varieties of tried merit. Iceland Poppies are very free and delicate and much admired for the front row of border.
Mahoney		June-July	Deep Maroon	3 ft.	25c	2.50	
Masterpiece		June-July	Salmon pink	3 ft.	25c	2.50	
Mary Studholme		June-July	Salmon	3 ft.	25c	2.50	
Royal Scarlet		June-July	Scarlet Black Cen.	3 ft.	20c	2.00	
Oriental King		June-July	Crimson Scarlet	3 ft.	25c	2.50	
Princess Victoria Louise		June-July	Soft Lilac Rose	3 ft.	25c	2.50	
Rembrandt		June-July	Orange Salmon	3 ft.	25c	2.50	
Silver Queen		June-July	Silvery White	3 ft.	25c	2.50	
Nudicaule	Iceland Poppy	June-Oct.	White, Yellow and Orange	1 ft.	15c	1.50	
PENTSTEMON	Beard's Tongue						
Barbatus Torreyi		June-Aug.	Brilliant Scarlet	3 ft.	15c	1.50	These graceful plants bearing long spikes of flowers — are very free and will flourish in any ordinary well drained garden soil. The prolonged flowering season makes them valuable for the border.
Digitalis		June-July	Purple White	2 ft.	15c	1.50	
PHALARIS	See Grasses						
PHYSOSTEGIA	False Dragon Head						
Virginica		June-Sept.	Soft Pink	3-4 ft.	15c	1.50	Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.
Alba		June-Sept.	Pure White	3-4 ft.	15c	1.50	
Speciosa			Delicate Pink		15c	1.50	

PEONIES

Once planted they will last a lifetime.

Cultural Directions are sent with every order for Peonies

There is no hardy perennial which equals the Peony in beauty and usefulness. Once planted, the plants and flowers increase in size and beauty with age. They are as hardy as oaks and as handsome (many as fragrant) as roses. When the plants are through blooming they are as handsome and ornamental as most of the hardy shrubs. The plants are practically immune from insects. We would advise our customers to **beware of "cheap" Peonies.** An inferior variety will take as much care and space as a choice one, and the first cost of a Peony is nothing compared to the disappointment after years of waiting.

Planting. An important point to observe is not to plant too deeply. The roots should be placed so that the crowns (or eyes) are covered with two or three inches of soil. Planting too deep is often the cause of sby blooming.

Plant with southwest or west exposure.

Plant as early as possible in the spring as they sprout very quickly. We cannot take orders for roots after May 10th on that account.

Small—divided roots, 3-5 eyes.
Medium—1 and 2 years from division.
Large—4 and 5 year old clumps.

FESTIVA MAXIMA (The best known white Peony)

WHITE AND LIGHT SORTS

	Small Each	Small Doz.	Medium Each	Medium Doz.	Large Each
Canari Guard petals flesh, yellow center. A very desirable and pleasing variety	$0.40	$4.00	$0.60	$6.00	
Carnea Elegans Clear flesh color, broad petals, perfect shaped flower, with glossy reflex	.40	4.00	.60	6.00	.....
Charlemagne Lilac white with a slight blush center, fragrant, medium height, free bloomer, late	.35	3.50	.50	5.00	.....
Couronne d'Or Snow-white, yellow reflex. Very large. Ball-shaped imbricated flower. Splendid cut flower sort. Late	.60	6.00	.75	7.50	.....
Duchess de Nemours (Calot) Sulphur white with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Late.	.35	3.50	.60	6.00	$1.50
Festiva Maxima The best known Peony. Flower of immense size—7 to 8 in. in diameter—snow-white, with some red spots on the edges of the center petals. Very sweet. Early	.35	3.50	.60	6.00	.....
Jeanne d'Arc Soft pink; center sulphur white. Very fragrant. This is one of the most desirable of the light colored Peonies, being very free and a vigorous grower. Similar but better than Golden Harvest	.40	4.00	.60	.....	....
La Tulipe Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late	.40	4.00	.60	6.00	1.25
Madam Breon Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems; fragrant	.40	4.00	.60	6.00	1.25
Madame Crousse Very large, full well-made flower; color snow-white, center petals edged with bright carmine. Extra fine for all purposes. Taken all together, this is, in our estimation, the best of all the White Peonies	.85	8.50	1.25	12.00	.....
Madame de Verneville Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable of the White Peonies for all purposes	.40	4.00	.65	6.50	.....
Marie Lemoine Delicate ivory white; solid massive blooms of extra size; very late	.60	....	.85	....	....
M. Dupont One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer	.75	7.50	1.25	12.00	.....
Nivea Plenissima White, slightly shaded yellow	.40	4.00	.....	.....	....
Queen Victoria Guard petals milk white, tinted flesh, center creamy white with crimson spots, large globular flower, on stems of medium height, free bloomer, midseason	.30	3.00	.45	4.50	.....
Triumphans Gandavensis Pinkish white, tinted chamois; dwarf habit. Very pretty for bedding	.50	5.00	.75	7.50	1.25

LIGHT AND DARK PINK AND ROSE

Dorchester (Richardson's) A most beautiful soft pink of fine form, dwarf grower	.50	5.00	.....	.....	.....
Duchess de Nemours (Guerin) Fine brilliant pink shaded violet, intermixed with white. Very large bloom, and an excellent early cut flower variety	.40	4.00	.70	7.00	.....
Edulis Superba Bright mauve pink collar mixed with lilac, fragrant, strong upright stems, free bloomer, early, one of the best commercial pinks	.30	3.00	.60	.....	1.25
Faust Guard petals and crown pink, fading to lilac white, collar of narrow sulphur-white petals, midseason	.35	3.50	.75	.....	1.25
Floral Treasure Color pale lilac rose, large and showy midseason, extra good, one of the best commercial blooms	.50	5.50	.....	.....	....
Kohinoor Shell pink, very free, splendid cut flower sort, midseason	.40	4.00	.60	6.50	.....

LIGHT AND DARK PINK AND ROSE—Continued

	Small Each	Small Doz.	Medium Each	Medium Doz.	Large Each
Lady Leonora Bramwell Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort	$0.30	$3.00	$0.60	$6.00	.....
Madame Bollet Color rose, with silvery reflex. Very large and double. Late	.60	6.00	.....	.....	.....
Madame de Vatry Guard petal flesh, center sulphur white, with carmine stripes. Very large flowers; of dwarf habit. An excellent cut-flower variety and fine for bedding. Late mid-season	.60	6.00	1.00	10.00	$1.50
Madame Geissler Silvery pink, shading to rose at base of petals. Immense flower; imbricated and borne on strong stems. Late	.50	5.00	.75	....	1.25
Mathilde Mechin French pink, mixed with small salmon petals. Bright Anemone, ball-shaped flowers of perfect build. Extra fine.	.60	6.00	.80	8.00	1.25
Modele de Perfection Large, full, double, rose, pink. Extra fine	.75	8.00	....	....	....
M. Boucharlet Bright pink. Of medium size and excellent form. A good grower and of compact habit. Valuable lawn sort. Midseason	.45	4.50	.65	6.50	....
Mons. Chas. Leveque Color delicate rose.	.40	4.00	.75	.....	1.25
M. Jules Elie Immense light silvery pink, very large guard petals and high dome-like center, early	.85	8.50	.....	.....	.....
Octavie Demay Dwarf, compact growth; very large light flesh pink. Extra fine	.85	8.50	1.50	....	....
Prolifera Tricolor Guard petals flesh pink, center yellow and light pink with red spots.	.45	5.00	.60	....	1.25
Pulcherrima Outside petals flesh, center pink. Very large and borne on long, strong stems	.35	3.50	.60	....	1.25
Triomphe de l' Exposition de Lille Light rose pink or peach color with mottled petal; very massive	.45	4.50	.60	....	1.25

RED AND CRIMSON SORTS

Adolphe Rousseau Dark amaranth with yellow stamens. Tall and fine, early	.40	4.00	.60	6.50	....
Delachii Deep purple, crimson reflex. Free bloomer	.40	4.00	....	....	....
Felix Crousse One of the best red sorts. Large double ball-shaped flower; a free bloomer. Very desirable. Late midseason.	.60	6.00	1.00	10.00	.....
Madame Le Bon Late; very large; color, brilliant cerise-red with silvery reflex. Extra.	.35	3.50	.50	....	1.25
Meissonier Broad outer petals brilliant purple amaranth, inner petals crimson, free bloomer	.35	3.50	.....	.....	.....
Modeste Guerin Bright carmine rose, bomb shape, very full, fragrant, free bloomer. Midseason	.40	4.00	.60	6.00	....
M. du Ribert Color rose magenta, loose bloom, sweetly scented. Late. Height, medium	.....	.....	.40	4.00	.....
Officinalis Rubra Plena This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower	.30	3.00	.60	6.00	.....
Richardson's Rubra Superb Rich, deep crimson; latest of all. Very sweet	.50	5.00	.75	7.50	.....
Mixed all Colors (Double)	.20	2.00	.30	3.00	75c&$1

SINGLE PEONIES

Single Crimson, small, **each 50c**
Single Pink, small, **each 50c.**
Single White, small, **each 50c.**

TREE PEONIES

Japanese Tree 3 year old plants. **Each, $1.25; per doz. $12.00.**

HARDY PHLOX

The beauty and usefulness of these grand border plants give them a deservedly first place among the hardy plants. The best effects to be had with Phlox are produced by planting masses of each color. A very wide range of color is now to be had and planting them in this manner, the Phlox will be the pride of the garden.

They succeed in almost any soil enriched with manure, but are much benefited by a mulching of well rotted manure in spring, and in hot weather an occasional soaking of water.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Letters and numbers immediately following the varieties indicate time of flowering and approximate height as follows:

(1)	Early	(D)	Dwarf
(2)	Midseason	(M)	Medium
(3)	Late	(T)	Tall

The following prices are for one year field grown plants:

	Each	Doz.
Antonin Mercie (M 2) A beautiful grayish lilac with white center	$0.20	$2.00
Baron Von Dedem (T 2) Blood-red scarlet with immense trusses and individual flowers	.25	2.50
Beranger (D1) Ground color white, delicately suffused with rosy pink and a distinct amaranth red eye	.15	1.50
Bridesmaid (D 2) Pure white, large crimson-carmine eye	.20	2.00
Clara Benz (D 2) Brilliant carmine-rose	.20	2.00
Coquelicot (T 2) A fine orange scarlet with crimson eye	.15	1.50
Eclaireur (T 3) Brilliant rosy magenta with lighter halo	.15	1.50
Elizabeth Campbell (D 2) New. Bright salmon pink with lighter shadings and dark crimson eye	.25	2.50
Eugene Danzanvilliers (D 1) Soft lilac blue with large white center, free and continuous bloomer	.15	1.50
Flora Hornung (D 2) Milk-white with carmine eye	.20	2.00
Frau Ant. Buchner (M 2) Pure white. Undoubtedly the finest white yet raised. Strong habit	.25	2.50
Fraulein Von Lassburg (T 2) The purest snow-white in cultivation. Extra fine	.20	2.00
G. A. Strohlein (M 2) Glowing orange scarlet with blood-red eye. Immense heads	.20	2.00
General Von Heutz (T 2) Brilliant salmon red with white center. Very large heads; free bloomer	.15	1.50
Goliath (T 1) New. Bright carmine with dark red center	.15	1.50
Gruppen Koenigin (M 2) Flesh with dark eye. Immense heads; very large individual flowers; very free and lasting	.20	2.00
Jeanne d'Arc (T 3) Pure white	.15	1.50
Jules Cambon (M 2) Brilliant reddish purple with very large pure white center	.20	2.00
L'Aiglon (T 1) One of the best of the deep rose-colored varieties; bright carmine eye	.20	2.00
Mme. Paul Dutrie (M 1) Soft pink, suffused white	.20	2.00
Miss Lingard (T 1) (Suffruticosa) Pure white; the earliest of all. Blooms all summer; good for cut flowers	.20	2.00
Mrs. Arthur Baker (M 2) Fine salmon; very distinct	.20	2.00
Pantheon (T 2) Deep salmon rose, very fine	.20	2.00
R. P. Struthers (T 2) Rosy carmine with claret eye	.20	2.00
Rosenberg (M 2) New. Bright reddish violet with blood-red eye; individual flowers large	.25	2.50
Selma (T 2) Large trusses of very large pink flowers with cherry-red eye; choice	.20	2.00
Snowbird (M 2) New. Pure white with a faint pink eye, violet markings on the reverse side of the flower; large individual flowers and a strong grower	.25	2.50
Sigrid Arnoldson (T 2) Fiery carmine red with dark center; extra fine	.20	2.00
Tapis Blanc (D 1) Pure white; immense heads. The best dwarf Phlox in cultivation	.25	2.50
Von Hochberg (M 3) The ideal crimson. The richest of its color	.20	2.00
Von Goethe (M 2) Pure clear pink with white eye	.20	2.00

PHLOX COLLECTIONS

No. 12.—One each of 20 varieties, our selection from above. All distinct; labelled for $2.50 by express, not prepaid.

No. 22.—One each of 10 varieties, our selection from above. All distinct; labelled for $1.50 by express, not prepaid.

DWARF AND ALPINE PHLOX

These are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered above.

Amoena Bright pink; May to June; height 6 inches. **Each 15c; doz. $1.50.**

Divaricata Laphami (New). A very beautiful variety with clear lavender blue flowers from April to July; height 1 foot. **Each 20c; dozen $2.00.**

Subulata Alba A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height 4 inches. **Each 15c; doz. $1.50.**

Subulata Rosea Same as above but with dainty rose pink flowers. **Each 10c; doz. $1.00.**

Botanical Name	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
PLATYCODON	Balloon Flower						
Grandiflora		May-Sept.	Deep Blue	18 in.	15c	$1.50	Very handsome plants of the Campanula family, having large open bell-shaped flowers, which in the bud resemble a balloon, hence the name. As border plants they are unique, and should be planted in quantity. Sandy loam is best.
Alba		May-Sept.	White	18 in.	15c	1.50	
Mariesi		May-Sept.	Violet Blue	12 in.	15c	1.50	
Alba		May-Sept.	White	12 in.	15c	1.50	
PLUMBAGO	Leadwort						
Larpentae		Sept.	Deep Blue	1 ft.	15c	1.50	One of the best dwarf Perennials. The flowers of deep blue are borne in great profusion throughout the fall months.
POTENTILLA	Cinquefoil						
Atrosanguinea		June-Aug.	Brilliant Scarlet	18 in.	20c	2.00	Valuable for massing in borders and for cut flowers. They require light, deep, loamy soil with exposed position.
Formosa		June-Aug.	Rosy Red	18 in.	20c	2.00	
Hybrida		June-Aug.	Mixed	18 in.	20c	2.00	
PRIMULA	Hardy Primrose						
Sieboldt Atlas		May-June.	Rosy Pink	8 in.	20c	2.00	These favorite early Spring flowering plants of dwarf habit are not as well known as they should be. They are invaluable for planting in partial shade borders in masses or as a border to bulb beds. They are useful for forcing under glass, making nice pot plants. Can be used with advantage for naturalizing in woods. They like leaf-soil, old decayed manure and light soil and a
Princess Beatrice		May-June.	White	8 in.	20c	2.00	
Sirius		May-June.	Scarlet	8 in.	20c	2.00	
Veris Grandiflora		May-June.	Yellow	10 in.	15c	1.50	

PLATYCODON

RUDBECKIA (Purpures Grandifl.)

RUDBECKIA (Golden Ray)

PYRETHRUM

This Pyrethrum in May and June occupies a similar position to that held by the 'Mum in Oct and Nov. Their flowers are large, of elegant form and are produced in great profusion. Their color range is from pure white to richest crimson. As a cut flower for vases or table decoration they are of the greatest value, lasting in water longer than almost any other flower.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
PYRETHRUM							Too much cannot be said in favor of the Hybrid Pyrethrums, which bloom in May and June and are sometimes called Spring flowering Chrysanthemums. They are not so well known as they should be for they are one of our best Spring flowering Perennials, being of great value for cut flower purposes, lasting in water longer than any flower we know. They are variable in color ranging from pure white to the most intense scarlet and crimson and are perfectly hardy, delighting in a cool moist soil. During the dry periods they ought to be copiously watered. If the dead flower stalks are cut off immediately after they are through flowering a second crop of flowers will usually result during the cool fall months.
Alfred Kelway		June	Double Crimson	18 in	35c	$3.50	
Aphrodite		June	Double White	18 in	40c	4.00	
Carl Vogt		May-June	Double White		40c	4.00	
James Kelway		June	Single Scarlet	18 in	40c	4.00	
Lord Rosebery		June	Double Carmine	18 in	40c	4.00	
Kelway's Hybrids		June	Mixed	18 in	15c	1.50	
Ne Plus Ultra			Double Flesh Color	18 in	40c	4.00	
Princess de Metternich		June	Double White	18 in	40c	4.00	
Virgo			Double Sulphur White	18 in	40c	4.00	
Yvonne Cayeaux		June	Double White	18 in	40c	4.00	
***Uliginosum**	Giant Daisy	Sept.-Oct	White	5 ft	15c	1.50	
RANUNCULUS	Fair Maids of France						Fine subject for the hardy border, and for cut flowers. Plant in semi-shade.
Aconitifolius Fl. Pl.		May-June	White	2 ft	20c	2.00	
Speciosus Fl. Pl.	Double Buttercups	May-June	Yellow	1 ft	15c	1.50	
ROSMARINUS							Aromatic herb of neat habit, an old favorite on account of its sweet smelling foliage.
Officinalis	Rosemary		Lavender	2 ft	15c	1.50	
RUDBECKIA	Cone Flower						The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color. Any good garden soil suits them. Golden Ray is an improved Golden Glow, and worthy of a place in any garden, the flowers are of the richest golden yellow, and when fully open, form a most beautiful rosette. A large vase of cut flowers of this variety is very attractive. R. Newmanni differs from the other varieties in being very dwarf and showing the black cone (or disc) more conspicuously. When massed, it produces a grand effect, while for half shady places under trees, it is of great decorative value.
***Laciniata fl. pl. Golden Glow**		July-Oct	Yellow	5-7 ft	15c	1.50	
***Golden Ray**	New	July-Oct	Golden Yellow	6 ft	15c	1.50	
***Maxima**		June-Sept	Bright Yellow	6 ft	25c	2.50	
***Newmanni**		June-Sept	Orange Blk. Cone	2 ft	15c	1.50	
***Nitida "Fall Sun"**	New	Sept-Oct	Golden Yellow	6 ft	15c	1.50	
***Purpurea Grandiflora**	Giant Purple Cone Flower New	Juiy-Sept	Claret Red	4 ft	20c	2.00	
Subtomentosa		June-Aug	Lemon Yellow Purple Center	2½ ft	15c	1.50	
SAPONARIA							This charming rock or border plant produces sheets of pink flowers in early Summer. It is of very easy culture and thrives in any garden soil in full sun.
Ocymoides Splendens		May	Pink	6 in	15c	1.50	
SCABIOSA	Mourning Bride						Useful border plants blooming freely all Summer; much prized for cutting and massing in old-fashioned gardens; succeeds best in light loam with plenty of sun.
Caucasica		June-Sept	Pale Blue	18 in	15c	1.50	
Alba		June-Sept	White	18 in	25c	2.50	
SEDUM							Fine plants for rock-garden, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather.
Acre	Golden Moss	May-June	Bright Yellow	3 in	15c	1.50	
Latifolium Atropurpureum		Aug.-Sept	Crimson	18 in	20c	2.00	
Spectabile	Brilliant Stone-crop	July-Aug	Rose Color	18 in	15c	1.50	
Atropurpureus		July-Aug	Bright Crimson	18 in	20c	2.00	
SIDALCEA							Produces graceful spikes of pink flowers. A good border plant.
Rosy Gem		June-July	Pink	3 ft	15c	1.50	
SOLIDAGO	Golden Rod						Although native plants these two Golden Rods are worthy of cultivation, being of the easiest culture and their light graceful panicles of golden yellow flowers make them invaluable for cutting from August to October, at a time when flowers in the outdoor garden are scarce.
Canadensis "Golden Wings"		Sept.-Oct	Rich Yellow	6 ft	35c	3.50	
Nana		Aug.-Sept	Golden Yellow	18 in	15c	1.50	
SPIRAEA	Goats' Beard or Meadow Sweet						Graceful plants, both in flower and foliage. Naturalized by the side of streams, or as a border or shrubbery plant. Filipendula fl. pl. is good for front row in hardy border or edging. Partial shade suits them best.
Lobata (Venusta)		June-July	Rose Pink	3-4 ft	25c	2.50	
Filipendula Fl. Pl.	Dropwort	June-July	Double White	18 in	15c	1.50	
STATICE	Sea Lavender						Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.
Latifolia		July-Sept	Lavender	2 ft	15c	1.50	

STOKESIA (Stokes' Aster)

YUCCA FILAMENTOSA

STATICE LATIFOLIA

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Doz.	Use, Soil, Position, Etc.
STOKESIA	Stokes' Aster						Produces showy Aster-like flowers from 4-5 inches across; it is of easiest culture, succeeding in any open position; used as a cut flower and for planting in masses in the hardy border.
Cyanea		July-Oct.	Pale Blue	18 in.	15c	$1.50	
Alba		July-Oct.	White	18 in.	15c	1.50	
SWEET WILLIAM							The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow them to perfection.
Johnson's Giants	Large Flowers	June-July	Mixed	18 in.	20c	2.00	
Newport Pink		June-July	Salmon Rose	18 in.	15c	1.50	
Single and Double		June-July	Mixed	18 in.	15c	1.50	
Red		June-July	Red	18 in.	15c	1.50	
Salmon		June-July	Salmon	18 in.	15c	1.50	
White		June-July	White	18 in.	15c	1.50	
THALICTRUM	Meadow Rue.						These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. They make fine border plants for partial shade or sun, and will thrive in any good soil or situation.
Adiantifolium		June-Aug.	Yellow	8 in.	15c	1.50	
Delavayi		June-Aug.	Dark Lilac	2½ ft.	30c	3.00	
Dipterocarpum (New)		June.	Rosy Purple	5-6 ft.	50c	5.00	
Flavum		June-Aug.	Yellow	4 ft.	15c	1.50	
THYMUS Vulgaris	Thyme			12 in.	15c	1.50	An old-fashioned plant much prized for its fragrance. It is an evergreen and should be protected in winter in the colder sections.
TRADESCANTIA							A native plant that will thrive almost anywhere. The flowers are curious and produced in a succession throughout the whole Summer. The foliage is like the day lilies, is persistent and keeps green all Summer. Desirable for naturalizing.
Virginica	Spider Wort	July-Aug.	Blue	3 ft.	15c	1.50	
Alba		July-Aug.	White	3 ft.	20c	2.00	
Lilacina		July-Aug.	Lilac	3 ft.	20c	2.00	
Rubra		July-Aug.	Rose	3 ft.	20c	2.00	
TRILLIUM	Wake Robin.						One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.
Grandiflorum		May-June	White	12 in.	10c	1.00	
TRITOMA	Red Hot Poker or Torch Lily						A most striking and exceedingly ornamental autumn flowering class of plants. Their noble aspect and showy flower spikes and dense foliage render them valuable for shrubberies, flower borders, beds or lawns. They like light, sandy soil, plenty of manure and abundance of water, and should have protection in Winter with straw or leaves, as they will not stand very severe weather. Pfitzeri is everblooming and makes a good flower for cutting.
Express		July-Aug.	Orange Scarlet	2 ft.	30c	3.00	
Obelisque		Aug.-Nov.	Chrome Yellow	3 ft.	25c	2.50	
Pfitzeri	Everblooming Flame Flower	Aug.-Nov.	Orange Scarlet	3 ft.	15c	1.50	
McOwani		Aug.-Sept.	Coral Red	2 ft.	30c	3.00	
Rufa		July-Aug.	Coral Red	2½ ft.	20c	2.00	
Star of Baden Baden		Aug.-Sept.	Yellow and Orange	5 ft.	35c	3.50	
Uvaria Grandiflora		Aug.-Nov.	Bright Orange	4 ft.	15c	1.50	
TROLLIUS	Globe Flower.						The Globe Flowers are beautiful showy border plants, having luxuriant foliage. Thrive best in semi-shady places and moist situations with heavy soil. Are useful for naturalizing, side of ponds and borders. The flowers are borne on stiff stems and are valued for cutting.
Asiaticus Fl. Pl. Croceo		May-June	Dark Orange	18 in.	25c	2.50	
Caucasicus Orange Globe		May-June	Glowing Orange	3 ft.	25c	2.50	
Japonicus Excelsior			Dark Orange	2 ft.	25c	2.50	
TUNICA							A very pretty little rock or border plant, bearing dainty pink flowers on slender stems. It likes a position in full sun. Rock plants are becoming very popular.
Saxifraga		June-July	Pink	1 ft.	25c	2.50	
VALERIANA	Garden Heliotrope.						A good border plant with sweet scented flowers of heliotrope odor, worthy of a place in the back part of hardy gardens.
Officinalis		June-July	Pink	3 ft.	15c	1.50	
VERONICA	Speedwell.						Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed. Subsessilis is the best of the tall growing species and makes a fine cut flower. Rupestris is a fine plant for matting the ground and can be used for covering dry banks, graves, etc. All the varieties are worthy of cultivation. Requiring any good garden soil and plenty of water in dry weather.
Longifolia Subsessilis		July-Aug.	Blue	2½ ft.	20c	2.00	
Spicata		July-Aug.	Bright Blue	18 in.	15c	1.50	
Rosea		July-Aug.	Rose Pink	18 in.	15c	1.50	
VINCA							Old garden favorites and valuable for graves, rough places and growing under trees where few other plants will live; they soon make a carpet.
Minor	Green Myrtle	June	Blue	4 in.	10c	1.00	
Argentea Variegata		June	Blue	4 in.	25c	2.50	
VIOLA Odorata	English Violet	May-June	Dbl. Deep Purple	8 in.	25c	2.50	Should be planted in every garden, thrives well in partial shade, and are prized for the sweetness of the blossom.
YUCCA Filamentosa	Adams Needle	June-July	Pure White	4-5ft.			A charming plant to group in the hardy flower border, cemetery or as specimens in the lawn.

Price, 1 year strong plants at 10c each $1.00 per doz.; larger plants at 25c, 50c, 75c and $1.00 each, according to size.

Ornamental and Flowering Shrubs and Trees

There is nothing that will add to the beauty and value of the home so much as well selected, judiciously planted shrubs, and considering their very moderate cost and the fact that they last forever when properly cared for, is the best reason why they should surround every home. We shall always be pleased to make suggestions as to the best varieties to plant for certain purposes or locations.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is never moved from the cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter, as well as shape and are recommended where immediate effect is desired.

SHIPPING DIRECTIONS: Shrub orders amounting to $5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office.

A denotes shrubs which attain 9 to 12 feet in height at maturity. **B** denotes shrubs which attain 5 to 8 feet in height at maturity. **C** denotes shrubs which attain 1 to 4 feet in height at maturity.

Regarding Prices Where the price for each is—

$0.10, we supply 3 for	$0.25, 12 for $1.00	$0.45, we supply 3 for	$1.25, 12 for $4.80	$0.75, we supply 3 for	$2.15, 12 for $8.00
.15, we supply 3 for	.40, 12 for 1.50	.50, we supply 3 for	1.40; 12 for 5.40	.80, we supply 3 for	2.25, 12 for 8.50
.20, we supply 3 for	.50, 12 for 1.80	.55, we supply 3 for	1.55, 12 for 6.00	.85, we supply 3 for	2.40, 12 for 9.00
.25, we supply 3 for	.65, 12 for 2.40	.60, we supply 3 for	1.70, 12 for 6.60	.90, we supply 3 for	2.50, 12 for 9.50
.30, we supply 3 for	.80, 12 for 3.00	.65, we supply 3 for	1.85, 12 for 7.20	.95, we supply 3 for	2.75, 12 for 10.50
.35, we supply 3 for	1.00, 12 for 3.60	.70, we supply 3 for	2.00, 12 for 7.50	1.00, we supply 3 for	2.90, 12 for 11.00
.40, we supply 3 for	1.10, 12 for 4.20				

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, (15 miles west of Chicago on the C. B. & Q. R. R.), two blocks south of 47th Street, the continuation of East Boulevard.

ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, blooming in early spring. **Double Pink or Double White.** 2 to 3 ft., **40c.**

ALTHEA (Rose of Sharon) (A)

A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock. **Double Pink, Red or White,** 2 to 3 ft., **30c;** 3 to 4 ft., **40c. Tree Form,** 4 to 5 ft., **60c.** 4 to 5 ft. specimens, **75c** to **$1.00. Single Blue,** 2 to 3 ft., **40c. Variegated,** 1 ft., bushy, **35c.**

AMELANCHIER (European June-Berry)

Vulgaris. This variety blooms in early summer. The flowers are white and the leaves color beautifully in the fall. 2 to 3 ft., **40c,** 3 to 4 ft., **50c,** 4 to 5 ft., **65c.**

AMORPHA (B)

Canescens (Lead Plant) (B.) A small native shrub bearing light purple flowers in June. 3-year, **50c;** 4-year, **60c.**

Fruticosa (False Indigo) (B.) This large-growing shrub has dense termina panicles of pretty, odd and attractive bluish flowers in July. 2 year, **35c,** 3 year, **45c.**

ARALIA (Hercules Club)

Cordata. New Japanese sub-shrub, with large dark green, heart-shaped leaves, and tall spikes of light green flowers, from August to September. 2 year, **30c,** 4-year, **40c.** See Perennials.

Mandshuricus. A very handsome shrub of erect habit and very large, much divided spiny leaves. 3 to 4 ft., **60c.**

Maximowiczi. (A.) A remarkable, small tree with upright, spiny trunk. Leaves rich deep green, on strong, long stems. 4 ft., **75c.**

Pentaphylla. (B.) A pretty Japanese shrub of medium size and rapid growth, branches furnished with spines, leaves palmate, five lobed. 12 to 18 in., bushy, **40c;** 4 to 5 ft., **75c.**

Spinosa. (A.) A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 3 to 4 ft., **60c;** 4 to 5 ft., **75c;** 5 to 6 ft. specimens, **$1.00.**

ARTEMISIA (Southernwood or Old Man) (C)

Abrotanum. A deciduous shrub well known for its fragrance. Extra strong bushes. 18 in. bushy, **25c,** 2 ft. bushy, **30c,** 2½ ft. specimens, **50c.**

AZALEA MOLLIS (C)

A beautiful variety from Japan, with large flowers of various shades of yellow, orange, carmine, etc. Requires partial shade. 10 to 20 buds, **75c. $45.00** per 100.

BACCHARIS

Halimifolia. (Groundsel Shrub.) (B.) The whitish flowers of this, though not unattractive, are not as ornamental as the downy clusters of seed which appear in late summer. A good seashore shrub. 3 to 4 ft., **40c.**

BERBERIS (Barberry)

Ilicifolia. (Holly-leaved Barberry.) (B.) The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. 12 to 18 in., **40c;** 2 to 2½ ft., **60c;** 2 to 2½ ft. specimens, balled and burlapped, **$1.00.**

Japonica. In habit of growth between Vulgaris and Thunbergii, having the same spreading habit of the latter, but growing taller. The bark of the young branches is a beautiful red-brown. The foliage colors up magnificently in the fall and remains on the bushes much longer than Thunbergii. 1½ to 2 ft., **40c.**

Thunbergii. (Japanese Barberry.) (B.) One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks.

Age	Height	Each	Three	Doz.	100
1-year	10 to 15 in.	$0.15	$0.40	$1.50	$ 8.00
2-year	15 to 20 in.	.25	.65	2.40	12.00
3-year	18 to 24 in.	.40	1.10	4.20	25.00
5-year specimens		1.00			

Vulgaris. (European Barberry.) (B.) A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit.

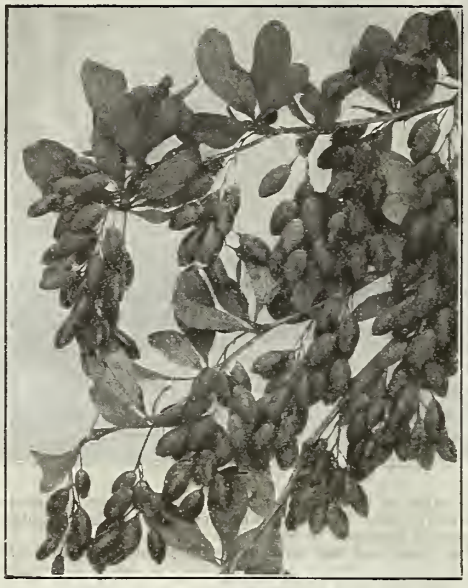
Height	Each	Three	Doz.	100
1 to 2 ft.	$0.25	$0.65	$2.40	$12.00
2 to 3 ft.	.40	1.10	4.20	25.00

Vulgaris Purpurea. (Purple-leaved Barberry.) (B.) Especially remarkable for its dense, upright growth and its brilliant purple foliage and fruit. When full grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. It is very valuable as a border for walks and drives. Splendid for a hedge, also good as single specimens on the lawn. Endures partial shade and is perfectly hardy.

Height	Each	Three	Doz.	100
2 to 2½ ft.	$0.35	$0.95	$3.60	$20.00
3 to 4 ft.	.45	1.25	4.80	28.00
4 to 5 ft. specimens	.75	2.15		

CALYCANTHUS (Sweet Shrub)

See page 125 for prices on 3 and 12 of a kind



BERBERIS (Barberry)

CLETHRA (Sweet Pepper Bush)

CALYCANTHUS FLORIDUS (Sweet Shrub) (B)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pine-apple fragrance. They bloom in June and at intervals after.

Height.	Each.	Three.	Doz.	100
18 in., bushy	$0.35	$0.95	$3.60	$22.00
2½ to 3 ft.	.60	1.70	6.60	40.00
4 ft. specimens	.75	2.15		

CARAGANA SIBERICA (Siberian Pea Tree) (A)

Bush or low tree. Pea-shaped yellow flowers in May. 3 to 3½ ft., **50c.**

CEANOTHUS AMERICANA (Jersey Tea) (B)

A small shrub with a profusion of white flowers, in crowded panicles, in June. One of the best shrubs for growing in shady places. 1 ft., bushy, **40c;** 1½ ft., bushy, **60c.**

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A tall-growing native shrub with globular heads of white flowers in July. 3 to 4 ft., **50c;** 4 to 5 ft. specimens, **75c to $1.00.**

CERASUS (Choke Cherry)

Virginica. A handsome shrub or small tree with small racemes of beautiful white flowers. Leaves dark green, oval in shape, turning to yellow before falling. Fruit so dark a purple as to be nearly black. 6 to 7 ft., each, **$1.00.**

CHIONANTHUS VIRGINICA (White Fringe Tree)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 ft. 18 to 24 in., **40c;** 2 to 3 ft., **50c.**

CLETHRA ALNIFOLIA (Sweet Pepper Bush) (A)

A grand shrub covered with spikes of clear white fragrant flowers in August. 18 to 24 in., **40c;** 2 to 2½ ft., **60c.**

COLUTEA ARBORESCENS (C)

A large shrub with small delicate foliage and yellow pea-shaped blossoms, flowers in June and July, followed by reddish pods. 4 to 5 ft., **60c.**

CORCHORUS (Kerria)

Japonica. (B.) Single yellow flowers, with neat growth. An old favorite. 1 to 2 ft. bushy, **40c.**

Japonica Aurea Var. (C.) A graceful shrub, 4 to 5 ft. high, with double yellow flowers from early summer till fall. As pretty as a rose. Very ornamental as a plant for lawn. Foliage edged green and yellow. 1 to 1½ ft., **40c.**

Japonica Argentea Var. (B.) A pretty dwarf variety with small, green foliage, edged white, slender grower. A valuable dwarf shrub. 1 to 1½ ft., **40c.**

Japonica Flore Pleno. Double flowered. This fine old shrub should be in all collections. It is of a spreading habit. Its double yellow blossoms, which are about 1 in. in diameter appear early in May, one from each leaf axil. It is excellent for massing. 1½ ft., bushy, **50c.**

CORNUS (Dogwood)

Alternifolia. (Blue Dogwood.) (B.) A pretty, large shrub; forms almost flat head. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft., **50c.**

Gouchaulti. Yellow and green variegated foliage, with red bark, attractive. 2 ft., **60c.**

Mas. (Cornelian Cherry.) (B.) One of the earliest of spring blooming shrubs, bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries, size of small cherries, very ornamental. 2 to 3 ft., **50c;** 3 to 4 ft., **60c.**

CORNUS (Continued)

Sanguinea. (Red-branched Dogwood.) (B.) Very conspicuous and ornamental. Bark in winter blood-red. 2 to 3 ft., **40c;** 3 to 4 ft., **60c.**

Sericea. (Silky Dogwood.) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October; 2 to 3 ft., **40c.**

Siberica. (Red Siberian Dogwood.) (B) A rare and remarkable variety with bright red bark in winter.

Height.	Each.	Three.	Doz.	100
2 to 3 ft.	$0.35	$0.95	$3.60	$25.00
3 to 4 ft.	.50	1.40	5.40	38.00
4 to 5 ft. specimens	.75	2.15		

Stolonifera Aurea. A variety with golden yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., **40c;** 3 to 4 ft., **60c.**

CRAB (Bechtel's Double Flowering) (A)

Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful double fragrant flowers of a delicate pink. This is the ideal lawn tree for a small yard. 3 to 4 ft., **$1.25;** 4 to 5 ft., **$1.75;** 5 ft. specimens, **$3.00** to **$6.00.**

CYDONIA (Japan Quince) (B)

Japonica. A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in spring. Valuable for ornamental hedges. 1½ to 2 ft., each, **40c;** **$25.00** per 100; 3 to 3½ ft., **60c;** 4 ft. specimens, **$1.00.**

Gaujardi. (B.) Orange-colored flowers. Large showy fruit. Forms a large shrub. 2 to 3 ft., **50c.**

Umbilicata. (B.) Flowers brilliant rosy red, succeeded by large showy fruit. One of the finest large shrubs. 4 ft., **75c** to **$1.00.**

CYTISSUS LABURNUM (Golden Chain)

A native of Europe, which takes its name from the long drooping racemes of yellow flowers which appear in June. 2 to 3 ft., **40c.**

DESMODIUM PENDULIFLORUM (C)

A shrub-like plant which dies to the ground in winter, but comes up vigorously each spring. Bears attractive sprays of bright rose-colored flowers in September. 2 year, **35c;** 3 year, **50c;** 4 year, **60c.**

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers places them among the most beautiful and most popular of flowering shrubs at the present time. Flowers in June and through July and August.

Crenata fl. pl. (B.) A handsome free flowering shrub, with numerous upright branches. Leaves dull green, rough on both sides, 2 to 3 inches long. Flowers double, pure white, in erect panicles 2 to 4 in. long. 2 to 3 ft., **40c.**

Crenata Rosea fl. pl. (B.) Very similar to Crenata fl. pl., but very showy with its outer petals a handsome rosy purple. 2 to 3 ft., each, **40c.**

Gracilis. (C.) A low growing shrub with slender graceful branches of pure white flowers, free flowering and very sweetly scented. 10 to 12 in., bushy, **25c;** per 100, **$12.00;** 1½ ft., bushy, 40 to 75 branches, **40c;** per 100, **$22.00.**

Lemoinei. (B.) A hybrid of the well-known Deutzia Gracilis with Deutzia Parviflora. Flowers pure white, borne on stout branches, upright growth. 1 to 1½ ft., **30c; per 100, $15.00;** 2 to 3 ft., **45c.**

Lemoinei Compacta. (C.) **New.** The dwarf, compact bushes are covered completely with white flowers during May and June. 18 in. bushy, **40c.**

Pride of Rochester. (B.) A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier. 2 ft., **25c;** 3 to 4 ft., **50c.**

BECHTEL'S
DOUBLE FLOWERING CRAB
(For description see preceding page)

CHIONANTHUS (White Fringe)
(For description see preceding page)

DOUBLE DEUTZIA

ELEAGNUS (Silver Thorn)

Angustifolia. **(B.)** Sweet-scented flowers in May or June; narrow leaves; hardy. 3 to 4 ft., **45c;** 5 to 6 ft. specimens, **75c** and **$1.00.**

Longipes. **(Japan Oleaster.)** **(D.)** In July the plant is covered with bright red berries of large size and edible, the flavor being pungent and agreeable. Laden with fruit the bush is highly ornamental, and the fact that the leaves remain fresh till late in the autumn gives it additional value for garden decoration. 2 to 3 ft., **50c.**

EUONYMUS (Burning Bush)

Alatus. **(B.)** Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in autumn, when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 1 to 1½ ft., **40c;** 2 to 3 ft., **75c;** 3 to 4 ft., **$1.20;** 4 to 5 ft. specimens, **$3.00, $4.00** and **$5.00.**

Americanus. **(B.)** An erect shrub with slender green branches, leaves bright green. Fruit warty, rose color, with scarlet seed coats. 2 to 3 ft., **50c.**

Europaeus. (European Burning Bush.) Forms a tree sometimes 30 ft. in height. Rose-colored fruit. 2 to 3 ft., **45c;** 3 to 4 ft., **60c;** 4 to 5 ft., **75c;** 5 ft. specimens, **$1.00.**

Linearis. **(C.)** A pretty shrub of dwarf habit; foliage narrow, becoming purple in autumn, fruit red; fine for rockeries. 1½ to 2 ft., **35c.**

EXOCHORDA GRANDIFLORA (Pearl Bush) (A)

A vigorous-growing shrub, forming a neat compact bush. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. May. 2 to 3 ft., **40c;** 3 to 4 ft., **60c.**

FONTANESIA FILARIAEFOLIA (B)

A large shrub with somewhat slender shoots and small leaves, bearing small clusters of small white flowers with yellowish anthers, towards the close of May. 3 to 4 ft., **40c;** 4 to 5 ft., **60c.**

DOGWOOD
(See Cornus)
ELDERS
(See Sambucus)

FORSYTHIA (Golden Bell)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks.

Fortunei. (Fortune's Forsythia.) **(B.)** Growth upright, foliage deep green. Flowers rich yellow. 2 to 3 ft., **40c;** 3 to 4 ft., **50c.**

Intermedia. Flowers bright yellow, glossy green foliage. 1½ to 2 ft., **30c;** 2 to 3 ft., **45c.**

Sieboldi. **(B.)** Of drooping habit, flowers bell-shaped, light yellow; very pretty. 2 to 3 ft., **35c.**

Suspensa. (The Weeping Forsythia.) **(B.)** Fine drooping habit and covered with bright yellow flowers in early spring. 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Viridissima. **(B.)** A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in spring. 2 to 3 ft., **30c;** 3 to 4 ft., **40c.**

HAMAMELIS VIRGINICA (Witch Hazel) (B)

A tall-growing shrub, yellow bell-shaped flowers. May and June. 2 to 3 ft., **50c;** 3 to 4 ft., **75c.**

Send in your orders early, which will be as well for you and better for us. Be sure in every letter to give your name, post-office and state

EXOCHORDA (Pearl Bush)

EUONYMUS ALATUS
(Burning Bush)

FORSYTHIA (Golden Bell)

For prices on 3 and 12 of a kind see top of page 125

HYDRANGEA PANICULATA GRANDIFLORA

PRIVET HEDGE

HIPPOPHAE RHAMNOIDES (B) (Sea Buckthorn)

A rigid growing shrub, with leaves of silver color on the underside. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 5 to 6 ft. specimens, **75c** and **$1.00.**

HYDRANGEAS

ARBORESCENS GRANDIFLORA "SNOWBALL." (New) (C)

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and bids fair to become the most beautiful hardy flowering shrub introduced during the last twenty years. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of the Lilacs, Syringas, Viburnum and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It seems to thrive well in various soils but requires shade. We offer strong dormant plants. 2-year, **35c;** 3-year, **50c.**

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousands of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches tends to increase the size of the flowers.

	Each	Three	Doz.	100
2-year, heavy	**$0.25**	**$0.65**	**$2.40**	**$15.00**
3-year	**.50**	**1.40**	**5.40**	**30.00**
4-year	**.60**	**1.70**	**6.60**	

(Tree Form) (A)

These plants have a clear stem, about 3 feet long, with a bushy top, making a grand show when in flower. 2 ft., clear stem. **Each, 75c.;** extra selected, **each, $1.00 and $1.25.**

LIGUSTRUM (Privet)

Amurense. (Amoor Privet.) **(B)** A very slender grower; the foliage is finer and of a lighter green than that of the California. A fine hedge plant.

Height	Each	Three	Doz.	100
12 to 18 in.	**$0.20**	**$0.50**	**$1.80**	**$10.00**
2 to 3 ft.	**.30**	**.80**	**3.00**	**20.00**
3 to 4 ft.	**.40**	**1.10**	**4.20**	**28.00**
4 to 5 ft.	**.50**	**1.40**		

Ciliatum. Small Japanese shrub with pointed elliptical leaves, white flowers, followed by black berries the size of a pea. 3 ft. bushy, **each, 30c; per 100, $22.00**

Ibota. **(B)** A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens on the lawn.

Height	Each	Three	Doz.	100
12 to 15 in.	**$0.15**	**$0.40**	**$1.50**	**$10.00**
18 to 24 in.	**.20**	**.50**	**1.80**	**12.00**
2 to 3 ft.	**.30**	**.80**		**20.00**
3 to 4 ft.	**.40**	**1.10**	**4.20**	
4 ft., selected	**.60**	**1.70**		

Regelianum. **(B)** This beautiful, graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal spreading branches, drooping at the ends. An excellent shrub for specimens, mass planting or hedges. It will become one of the most popular varieties as soon as it is better known. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed against buildings or on slopes or banks. 2 to 3 ft., **each, 20c; per 100, $12.00;** 4 ft. specimens, **75c and $1.00.**

Vulgare. (European Privet.) **(B.)** Very useful for hedges; can be clipped any shape. Grown as single specimens it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental.

Height	Each	Three	Doz.	100
2 to 3 ft.	**$0.20**	**$0.50**	**$1.80**	**$12.00**
3 to 4 ft.	**.30**	**.80**	**3.00**	**22.00**
4 to 5 ft.	**.40**	**1.10**	**4.20**	**30.00**

LILACS (True Syringa) (B)

Alba Grandiflora. Flowers pure white and very fragrant. Strong bushes. 2 to 3 ft., **each, 30c; per 100, $20.00;** 3 to 4 ft., **each, 50c; per 100, $35.00;** 4 to 5 ft., **each, 75c.**

Alphonse Lavalle. A variety bearing beautiful double flowers of a rare blue color. 2 to 3 ft., **75c.**

Amurensis. Blooms in June. Large white trusses. 4 to 5 ft., **75c.**

Bertha Dammann. Magnificent pure white flowers, borne on large spikes. 3 ft., bushy, **60c.**

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. Strong bushes. 1½ to 2 ft., **each, 40c; per 100, $30.00;** 2 to 3 ft., **each, 50c; per 100, $35.00;** 3 to 4 ft., **75c.**

Japonica. A species from Japan, becoming a good-sized tree. Foliage dark green, glossy, leathery; flowers creamy white, odorless, in great panicles. A month later than other Lilacs. 2 to 3 ft., **40c;** 3 to 4 ft., **60c;** 5 to 6 ft., specimens, **$1.00 to $1.50.**

Josikaea. Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 1½ to 2 ft., **50c;** 4 to 5 ft., **$1.00.**

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., **40c;** 3 to 4 ft., **60c.**

Marie Legraye. Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 1½ to 2 ft., **each, 50c;** 2 to 3 ft., **each, 75c;** 4 ft., tree form, **$1.50.**

Michel Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 3 to 4 ft. **75c.**

Persian, Purple. Small glossy leaves that do not mildew. Sweet scented flowers 2½ to 3 ft., **50c;** 3 to 4 ft., **65c.**

Rubra de Marley. The old-fashioned purple Lilac. Strong bushes. 2 to 3 ft. **each, 35c; per 100, $25.00;** 3 to 4 ft., **each, 50c; per 100, $35.00;** 4 to 5 ft. **75c.**

Villosa. **(C)** A species from Japan. Large branching panicles; flowers light purple in bud, white when open; fragrant; foliage resembles that of the White Fringe. Especially valuable as its flowers appear two weeks after those of other Lilacs. 2 to 3 ft., **60c.**

Vulgaris. (Common Lilac.) Bluish-purple flowers. A standard variety. Always good.

Height	Each	Three	Doz.	100
1 to 1½ ft.	**$0.25**	**$0.65**	**$2.40**	**$18.00**
2 to 3 ft.	**.40**	**1.10**	**4.20**	**25.00**
3 to 4 ft.	**.50**	**1.40**	**5.40**	**35.00**

LILACS ON THEIR OWN ROOTS

The above have a great advantage over the usually offered budded stock. They are much longer lived, improve in beauty each year; and they withstand our severest winters. The demand for them becomes greater each year.

We have been fortunate enough to procure the following varieties in good, strong stock, but regret to say that the supply is very limited, and strongly advise customers to order early.

All are fully described in the general list of varieties given above.

Charles X.....2 to 2½ ft. **Each, $1.00**

Souvenir de L. Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with compact flowers of enormous size. 2 to 2½ ft., **each, $1.00.**

LINDERA BENZOIN (Spice Bush)

An early flowering hardy ornamental shrub, covered with small yellow flowers which appear before the leaves. A fine shrub for partially shaded places and waterside planting. Most effective when planted in masses. 2 to 3 ft., **50c.**

LOCUST—SEE ROBINIA—TREES

We have the ideal Shrubs for lawn planting because our method of growing produces only well formed symmetrical plants with a strong and vigorous constitution. Each plant is given space enough at the Nursery to develop into its own natural form and by many times transplanting we produce those fine fibrous roots wherein lies our great success in furnishing stock with the ability to grow where the ordinary kinds die.

For prices on 3 and 12 of a kind see top of page 125

LILAC, CHARLES X

PHILADELPHUS (Syringa)

LILAC, Mme. LEMOINE

LONICERA (Bush Honeysuckle)

Hardy shrubs valuable for their numerous flowers and showy fruit.

Alberti. Violet bell-shaped flowers, leaves narrow. A very hardy variety, somewhat procumbent. 3 to 4 ft., bushy, **60c.**

Bella Candida. A fine variety, producing fruit of red color in great profusion. 2 to 3 ft., **40c;** 3 to 4 ft., **60c.**

Ledebouri (B.) A distinct species with red flowers in May; pretty. 3 to 4 ft., **each, 40c;** 4 ft. specimens, **60c.**

Morrowii. (Japanese Bush Honeysuckle) **(B.)** A strong, vigorous grower with pure white flowers produced in May and June, followed by brilliant-colored fruit. 3 to 4 ft., **45c.**

Tartarica Alba (White Tartarian) **(B.)** 2 to 3 ft., **40c;** 3 to 4 ft., **50c.**

Tartarica Rosea (Pink Tartarian) **(B.)** 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Virginalis Alba White flowers, resembling Tartarica Alba. 2 to 2½ ft., bushy, **35c.**

MAGNOLIAS

We offer the two varieties best adapted to our climate, and that have proven hardy in Chicago.

Halleana (Japan Magnolia) Dwarf and shrubby. Its pure white semi-double flowers are quite fragrant and produced in April; earlier than those of other varieties. New and scarce. 2½ ft., **$3.00.**

Soulangeana Flowers white and purple, 3 to 5 in. across, borne in May, before its leaves, which are massive and glossy. Among the hardiest and finest of foreign Magnolias. 3 to 4 ft., **$3.00.**

MAHONIA

Aquifolia (Holly-leaved Mahonia). A native species of medium size, with purplish, shining prickly leaves, and showy, bright yellow flowers in May, succeeded by bluish berries. Its handsome, deep green, glossy foliage and neat habit, render it very popular for decorative planting. 3 year, **each, 45c, per 100, $35.00;** 4-year, balled and burlapped, **each, 75c to $1.00.**

MALUS (Pyrus)

Arbutifolia A beautiful species with dark brown bark, and green leaves that change to a beautiful scarlet in the fall. Bears scarlet berries. 2 to 3 ft., **40c.** 3 to 4 ft., **75c.**

Floribunda Single flower; beautiful carmine in bud; white when open. May. Fruit very ornamental in autumn. 4 to 5 ft., **$1.00;** tree form, 5 ft., **$1.25.**

Floribunda Atrosanguinea Flowers crimson, produced in great profusion. A charming variety. May. 4 to 5 ft., **$1.00;** tree form, **$1.25.**

MORUS (Mulberry)

Tartarica (Russian). 20 to 25 ft. Hardier in the northwest than all others. 3 to 4 ft., **each, 35c;** 4 to 5 ft., **each, 50c; per 100, $35.00;** 5 to 6 ft., **each, 75c.**

PHILADELPHUS OR SYRINGA (Mock Orange)

Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.

Avalanche (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new fallen snow. 1½ to 2 ft., **each, 25c; per 100, $15.00;** 2 to 2½ ft., bushy, **each, 35c; per 100, $25.00.** 3 to 3½ ft., **60c.**

Coronarius (A.) A grand old favorite shrub. Should be in every yard. Covered with sweet-scented white flowers in June. 2 to 3 ft., **each, 35c.**

Coronarius Aureus Golden leaved Mock Orange, much prized for its bright effect. 1 to 1½ ft., bushy, **60c.**

Dianthiflorus Fl. Pl. (B.) A dwarf-growing variety, with double cream-colored fragrant flowers. 2 to 2½ ft., **each, 40c;** 3 ft. specimens, **75c.**

Falconeri A graceful shrub with arching branches of pure white starry flowers. Very free-flowering. 3 to 4 ft., **40c.**

Grandiflorus (A.) (Large-flowered Syringa or Mock Orange). Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the freest flowering of the genus.

Height	Each	Three	Doz.	100
1½ to 2 ft.	$0.25	$0.65	$2.40	$15.00
2 to 3 ft.	.35	.95	3.60	25.00
3 to 4 ft.	.50	1.40	5.40	35.00
4 to 5 ft.	.75	2.15		

PHILADELPHUS—Continued

Lemoinei Erectus (B). A charming variety of erect growth; creamy white fragrant flowers. 1½ to 2 ft., **each, 25c; per 100, $15.00;** 2 to 3 ft., **each, 35c; per 100, $25.00.**

Manteau d'Hermine Flowers double or semi-double, creamy white, covering the branches. Fine. Habit dwarf. 1 to 1½ ft., bushy, **45c.**

Mont Blanc Attaining 5 ft. in height, erect branches, entirely covered with large fragrant flowers. 1½ to 2 ft. **30c.**

Speciosus (A.) Large, pure white flowers. Very fine shrub. 2 to 3 ft., **35c.** 3 to 4 ft., **50c.**

Zeheri (A.) A large-flowered odorless variety; blooms very late. 4 to 5 ft., **75c.**

PRIVET (See Ligustrum)

PRUNUS (Plum)

BURBANK'S OTHELLO PLUM A purple-leaved Plum. A useful fruit with splendid foliage. Our own introduction. A rare combination of the useful and the beautiful. A wonderful new fruit and ornamental tree; one of Luther Burbank's creations, of which we purchased the first and only tree in 1905.

The tree is an upright grower, and a prolific bearer; fruit deep crimson about one inch in diameter, ripening before the very earliest of ordinary plums.

The foliage is of the most brilliant reddish purple, and holds its color throughout the season.

Height	Each	Three	Doz.	100
2½ to 3 ft.	$0.50	$1.40	$5.40	$30.00
3 to 4 ft.	.60	1.70	6.60	40.00
4 to 5 ft.	.75	2.15	8.00	60.00
5 to 6 ft.	1.00	2.90	11.00	75.00
7 ft. specimens, $1.25 to $1.50 each				

Pissardi (A) (Purple-leaved Plum). A small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 4 to 5 ft., **75c.**

Spinosa (Blackthorn.) White flowers borne on solitary peduncles before the leaves appear. A well known shrub with branches inclined to be spiny. Round black fruit, very acid. 2 to 3 ft., **35c.**

Triloba (B.) (Double-flowered Plum) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May. 2 to 3 ft., **50c.** Tree form specimens, 4 ft., clear stem, **$2.50.**

PTELEA (Hop Tree)

Trifoliata A large shrub or small tree, of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. Succeeds well in the shade. 2 to 3 ft., **30c; per 100, $20.00;** 3 to 4 ft., **40c.**

Trifoliata Aurea (A.) (Golden-leaved Hop tree) A round, low-growing tree with large trifoliate leaves, and with a glossy surface that brings out the rich, solid yellow of the leaves, as if varnished. Useful in a lawn, border or group. 2 to 3 ft., **60c;** 3 to 4 ft., **75c.**

RHAMNUS (Buckthorn)

Catharticus (A.) A fine, robust shrub, with dark, green foliage, white flowers and small black fruit. A popular hedge plant. 2 to 3 ft., **each, 25c; per 100, $15.00;** 3 to 4 ft., **each, 35c;** 5 to 6 ft., **60.**

Frangula (B.) (Alder Buckthorn) A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 3 to 4 ft., **35c.** 5 to 6 ft. specimens, **each 75c.**

Imeritina (B.) A variety remarkable for its foliage. The leaves are dark and sometimes reach a length of nine inches, assuming a rich bronze tint when full grown. 2 ft., **60c.**

Purshiana (B.) A rare shrub, valuable for its long dark leaves and red berries which turn to black in the fall. 5 to 6 ft., **$1.00**

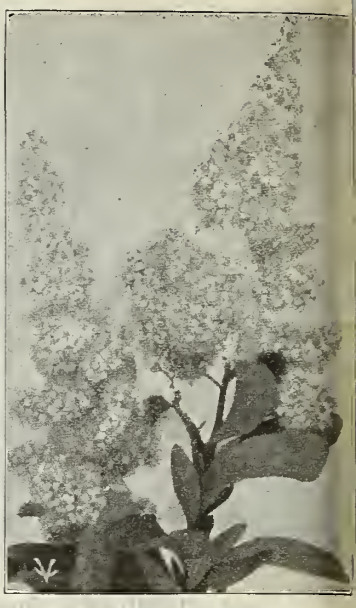
RHODOTYPOS (White Kerria)

Kerrioides (C.) A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous small fruits. 2 to 3 ft., **each, 35c;** 3 to 4 ft., **50c;** 4 to 5 ft. specimens, **75c.**

For Prices on 3 and 12 of a kind see top of page 125

SPIRAEA SORBIFOLIA

SPIRAEA VAN HOUTTEI (Bridal Wreath)



SPIRAEA BILLARDII

RHUS (Sumach)

Cotinus (Purple Fringe, or Smoke Tree). A common shrub rarely seen in perfection because of bad pruning. In good soil and allowed to develop naturally, it is exceedingly ornamental. 3 to 4 ft., **50c.**

Copallina (Dwarf or Shining Sumach). **(D.)** Beautiful shining green foliage changing to rich crimson in autumn. Greenish yellow flowers in August. 1 to 1½ ft., **each, 35c;** 1½ to 2 ft., **each, 50c;** 2 to 3 ft., **each, 75c.**

Glabra (Smooth Sumach). Very effective in autumn with its crimson seeds and foliage. 2 to 3 ft., **each, 25c, per 100, $15.00;** 3 to 4 ft., **40c.**

Glabra Laciniata (Cut-leaved Sumach). A very striking plant, of moderate size, with deeply cut leaves resembling fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., **each, 35c.**

Typhina (Staghorn Sumach). A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 4 to 5 ft., **45c.**

Typhina Laciniata (Fern-leaved Staghorn Sumach). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the fall.

Height	Each	Three	Doz.	100
2 to 3 ft.	$0.30	$0.80	$3.00	$20.00
3 to 4 ft.	.40	1.10	4.20	28.00
5 to 6 ft.	.60	1.70	6.60	

6 to 7 ft. specimens, **$1.00 each.**

RIBES, OR FLOWERING CURRANT

Alpinum (B.) An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 2½ to 3 ft., bushy, **45c.**

Aureum (B.) (Yellow-flowering, or Missouri Currant.) A native species, with glabrous shining leaves and yellow flowers. June and July.

Height	Each	Three	Doz.	100
2 to 3 ft.	$0.25	$0.65		
3 to 4 ft.	.30	.80	$3.00	$20.00
4 to 5 ft.	.40	1.10	4.20	28.00

5 ft. specimens, **50** to **75c each.**

Gordonianum (B.) (Gordon's Currant.) A hybrid between Aureum and Sanguineum. Hardy and profuse blooming shrub. Flowers crimson and yellow in pendant bunches in May. 3 to 4 ft., **35c;** 4 to 5 ft., **50c.**

ROBINIA HISPIDA (Rose Acacia) (A)

A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 2 to 2½ ft., **50c.**

ROSA (Rose)

Rubiginosa. (True English Sweet Briar.) This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2-year old, **each, 35c, per 100, $20.00.**

Rubrifolia. Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. 2-year old, **25c;** 3-year old, **40c.**

Setigera. (Prairie Rose.) Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose. 2-year old plants, **each, 35c; 3 for $1.00, by express.**

SALIX (Willow)

The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the sea coast.

Babylonica. (Weeping Willow.) The stock we offer is grown to bush form to be used not as a tree, but as a shrub. Strong, bushy plants. 5 to 6 ft., **40c, per 100, $30.00;** 6 to 7 ft., **each, 60c.**

Japonica. This has broad, shining green leaves, quite ornamental. 3 to 4 ft., **35c;** 4 to 5 ft., **50c.**

Laurifolia. (Laurel-leaved Willow.) A rapid grower, erect form, with broad, glossy, dark green leaves; admirable for sea-shore and narrow streets. 4 to 5 ft., **50c.**

Niobe Aurea. An elegant shrub with golden bark. 4 to 5 ft., **50c.**

Viminalis. (Osier Willow, Basket Willow.) A large bush with slender, straight branches, often used for tying material. 3 to 4 ft., **30c.**

Vitellina Purpurea. (Purple Osier.) A Red or Purple barked variety, height 5 to 10 ft., and an erect grower and native of Europe. 3 to 4 ft., **30c.**

Wisconsin Weeping. Of drooping habit and hardier than Babylonica. Valuable on account of its resistance to severe cold. 5 to 6 ft., **50c.**

SAMBUCUS (Elders)

Much in demand for the beautiful leaves. The flowers and fruits are also showy and attractive. Grows well anywhere; needs pruning to keep it in shape.

Aurea. (A.) (Golden-leaved.) The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 2 to 3 ft., **25c;** 3 to 4 ft., **45c;** 5 to 6 ft., **75c.**

Laciniata. (A.) (Cut-leaved.) Has finely bisected leaves. 3 to 4 ft., **each, 35c;** 4 to 5 ft., **50c.**

Nigra. (The Black Elder.) 3 to 4 ft., **35c.**

Racemosus. 2 to 3 ft., **35c.**

Tenuifolia. 3 to 4 ft., **50c.**

SNOWBALLS (See Viburnum)

SPIRAEA

The Spiraeas are all elegant, low shrubs, of the easiest culture, and their blooming extends over a period of three months.

Anthony Waterer. (B.) (Perpetual-blooming Red Spiraea.) A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom almost as soon as planted; rose red flowers in large, round clusters all over the bush. 1 ft., extra bushy, **35c;** 1½ to 2 ft., **45c.**

Arguta multiflora. (B.) Dwarf, drooping habit; flowers pure white, commencing to bloom in June; fine foliage. 2½ to 3 ft., **45c;** 4 ft. specimens, **75c to $1.00.**

Billardii. (B.) Pink flowers; blooms nearly all summer. It is a grand subject for planting in masses, and makes a good cut flower.

Height	Each	Three	Doz.	100
2 to 3 ft.	$0.20	$0.50	$1.80	$10.00
3 to 4 ft.	.30	.80	3.00	20.00
4 to 5 ft.	.45	1.25	4.80	28.00

Bumalda. (B.) Light rose flowers. 1 ft. bushy, **35c.**

Callosa alba. (C.) Dwarf white Spiraea of bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 2 ft., **40c.**

Callosa Froebeli Variegata. A variegated leaved, free-flowering variety, flowers rose. 2 ft., **30c, $20.00 per 100;** 3 to 4 ft., **60c;** 4 ft. specimen, **75c.**

Callosa Rubra. Flowers deep rose. 2 ft., **30c, $20.00 per 100;** 3 to 4 ft., bushy, **60c.**

Opulifolia. (Nine Bark.) **(B.)** A strong growing shrub with white flowers. 3 to 4 ft., **45c.**

Opulifolia aurea. (B.) (Golden-leaved Nine Bark.) An interesting variety, with golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 2½ to 3 ft., **35c, $20.00 per 100;** 3 to 4 ft., **45c, $32.00 per 100.**

Prunifolia fl. pl. Double Flowered Plum-Leaved Spiraea. A beautiful shrub from Japan, with pure white flowers like white daisies, in May. Keeps in flower a long time and justly merits to be placed in the front rank among flowering shrubs. 1 ft., bushy, **40c.**

Reevesii or Lanceolata. (Lance-leaved Spiraea.) A charming shrub with narrow, pointed leaves, and large, round clusters of white flowers that cover the whole plant, and render it exceedingly effective. Blooms in June. 3 to 4 ft., **50c.**

Sorbifolia. (B.) A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July. 3 to 3½ ft., **50c.**

Thunbergii. (B.) One of the first bloomers; pure white flowers. 1 to 1½ ft., **35c;** 2 to 3 ft., **50c.**

Van Houttei (Bridal Wreath). (B.) A splendid garden shrub, entirely hardy, and the most beautiful of all; immense bloomer; pure snow-white flowers.

Height	Each	Three	Doz.	100
1 to 1½ ft.	$0.20	$0.50	$1.80	$10.00
2 to 3 ft.	.25	.65	2.40	15.00
3 ft., bushy	.40	1.10	4.20	25.00
3 to 4 ft.	.50	1.40	5.40	30.00
4 to 5 ft.	.60	1.70	6.60	45.00

7 ft. specimens, **$2.00 each.**

STEPHANANDRA FLEXUOSA (C)

A very hardy shrub, resembling the Spiraea; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and leaves from the ground; neat and ornamental hedge plant. 1½ to 2 ft., **45c.** 2½ ft. specimens, **75c.**

For Prices on 3 and 12 of a kind see top of page 125.

TAMARIX

Vaughan's Selection of Shrubs for Hedges

Bush Honeysuckle, Hydrangea Paniculata Grandiflora, Japan Barberry, Japan Quince, Lilacs, Privet Ibota, Rhamnus Catharticus, Ribes Alpinum, Rosa Rugosa, Spiraea Anthony Waterer, Spiraea Bumalda, Spiraea Van Houttei.

Regarding Prices

For 3 and a dozen of a kind, see page 125.

SNOWBALL

HIGH BUSH CRANBERRY

SYMPHORICARPUS (Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, especially when covered with berries in fall and winter. Grow 3 to 6 ft. high; small leaves and slender branches.

Heyeri. (B.) Handsome shrub; blooms freely when small; flowers pretty pink in July and August; berries white. 2 ft., **each 25c;** 2½ to 3 ft., **each 40c;** 3½ ft., **each 60c.**

Occidentalis. (B.) One of the prettiest of the Snowberries; growth strong and drooping; leaves large; flowers reddish white. 2 to 3 ft., **40c; $25.00 per 100.** 3 to 4 ft., **each, 50c.**

Racemosus. (B.) (Snowberry.) July and August. Small red flowers, succeeded by abundant white berries. 2 to 3 ft., **each 30c; per 100, $20.00.**

Vulgaris. (B.) (Indian Currant.) A shrub of very pretty habit. Foliage, flowers and fruit small; fruit purple, hangs all winter.

Height	Each	Three	Doz.	100
2½ to 3 ft.	$0.30	$0.80	$3.00	$20.00
3 ft., bushy	.40	1.10	4.20	25.00
4 ft. specimens	.60	1.70		

Vulgaris Foliis Variegatis. (C.) Same as the Vulgaris, except the foliage, which is green and white; ornamental shrub. 2½ to 3 ft., **each 35c; per 100, $25.00;** 3 to 4 ft. specimens, **each 60c; per 100, $40.00.**

TAMARIX (B)

Shrubs of strong but slender, upright growth; clothed in foliage as light and feathery as that of the asparagus. Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders and valuable for seaside planting.

Amurense. A splendid new hardy variety, with silky pink tassels; flowers all summer. 3 to 4 ft., **each 40c;** 4 to 5 ft., **each 50c;** 6 to 7 ft., **each $1.00.**

Gallica. Foliage fine and feathery on long slender branches that are covered their entire length with bright pink plume-like flowers. 4 to 5 ft., **each, 50c.**

Hispida Aestivalis. A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 2 to 3 ft., **each 45c;** 3 to 4 ft., **each 60c.**

Indica. Handsome shrub, with fine foliage, like that of the Juniper. Valuable for planting in sand and soil that few plants will do well in; small pink flowers. 3 to 4 ft., **each 40c;** 4 to 6 ft. specimens, **each 60c;** 6 to 8 ft. specimens, **$1.00.**

Tetrandra Purpurea. A mass of purplish pink flowers in June and July. 5 to 6 ft., **each, 50c;** 6 ft. specimens, **75c to $1.00.**

SNOWBERRY

WEIGELIA

VIBURNUM

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries.

Acerifolium. (C.) (Maple Leaved Viburnum.) A low-growing shrub, white flowers in May, followed by black berries in the fall. Suitable for shade. 3 ft., **each 45c.**

Dentatum. (B.) May and June. A free-flowering shrub, especially admired for the abundance of its scarlet fruits that cling to the branches a long time. 3 to 4 ft. bushy, **each 60c.**

Lantana. (A.) (Early White Lantana-leaved Viburnum.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded with red fruit; retains its foliage very late. 2 to 3 ft., **each 35c;** 3 to 4 ft., **each 50c.**

Lentago. (Sheepberry.) Flowers creamy white, very fragrant; foliage a light glossy green. 1½ to 2 ft., **30c.**

Molle. A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers two to three weeks later. 1 to 1½ ft., **30c;** 3 to 4 ft., specimens, **each, 75c.**

Opulus. (A.) (High-Bush Cranberry.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 1½ to 2 ft., **30c;** 2 to 3 ft., **each 45c,** 3 to 4 ft., **each, 50c;** 5 ft. specimens, **each, 75c to $1.00.**

Plicatum. (Japanese Snowball.) This Japanese variety of the old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact bush, 6 to 8 ft. high. It blossoms in early June, when the plant is completely covered from the ground to the top of the branches with large balls of flowers as white as snow. 2 to 3 ft., **35c;** 3 to 4 ft., **50c;** 4 to 5 ft., **60c.**

Sterilis. (Old Fashioned Snowball.) Too well known to require description.

Height	Each	Three	Doz.	100
1½ to 2 ft.	$0.25	$0.65	$2.40	$16.00
2 to 3 ft.	.35	.95	3.60	25.00
3 to 4 ft.	.50	1.40	5.40	35.00
4 to 5 ft. specimens	75c to $1.00.			
3 to 4 ft., tree form,	75c to $1.00.			

Pyrifolium. (Pear-Leaved V.) Flowers white and fragrant, blooming about two weeks later than other varieties. 15 to 18 in., **each 35c;** 4-5 ft., **each 75c.**

Tomentosum. (B.) (The single form of the beautiful Japan Snowball.) Flowers pure white, in great profusion early in June. Perfectly hardy; vigorous and free-blooming; very desirable. 2 to 3 ft., **50c;** 3 ft. specimens, **60c.**

WEIGELIAS (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shape with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Amabilis. Of robust habit. Large foliage and pink flowers. Blooms freely in the autumn. Distinct and beautiful. 2 to 3 ft., **35c.**

Amabilis Alba. White form of the above. 2 to 3 ft., **35c.**

Candida. White flowering Weigelia, flowering throughout the summer. 1½ to 2 ft., **25c;** 2 to 3 ft., **35c.**

Eva Rathke. A charming new Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all Weigelias. 2 to 3 ft., **35c;** 3 to 4 ft., **40c.**

Floribunda. Fine variety, flowers dark red. A profuse bloomer, 2 to 3 ft., **35c;** 3 to 4 ft., **50c.**

Nana Variegata. (C.) One of the most conspicuous shrubs; leaves beautifully margined, creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 1½ to 2 ft., **35c.**

Rosea. A beautiful shrub, with rose-colored flowers in May and June. 2 to 3 ft., **35c;** 3 to 4 ft., **45c.**

Sessilifolia. A native shrub, 3 to 4 ft. high, of somewhat spreading growth bearing terminal, loose heads of yellow flowers in July, continuing for some weeks. 1 to 2 ft., **25c;** 2 to 3 ft., **35c;** 3 ft. specimens, **60c.**

WILLOW (See Salix)

XANTHOCERAS SORBIFOLIA (A)

A rare shrub with stout, upright branches, pinnate foliage and slender pinacles of white flowers that are blotched with yellow and red. Valued for solitary planting. 2 year, **40c.;** 3 year, **60c.**

SHADE AND ORNAMENTAL TREES

We invite a visit to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of Specimens such as are not usually seen. Our nursery is located at Western Springs (15 miles west of Chicago on the C. B. & Q. R. R.), two blocks south of 47th Street, the continuation of East Boulevard.

AMERICAN ELM

Regarding Prices

Where the price for each is—

$0.30, we supply 3 for $0.80, 12 for $2.85
.35, we supply 3 for 1.00, 12 for 3.75
.40, we supply 3 for 1.10, 12 for 4.25
.45, we supply 3 for 1.20, 12 for 4.60
.50, we supply 3 for 1.35, 12 for 5.25
.55, we supply 3 for 1.45, 12 for 5.75
.60, we supply 3 for 1.70, 12 for 6.50
.65, we supply 3 for 1.80, 12 for 7.00
.70, we supply 3 for 1.90, 12 for 7.25
.75, we supply 3 for 2.10, 12 for 8.00
.80, we supply 3 for 2.20, 12 for 8.50
.85, we supply 3 for 2.35, 12 for 9.00
.90, we supply 3 for 2.50, 12 for 9.50
.95, we supply 3 for 2.65, 12 for 9.75
1.00, we supply 3 for 2.75, 12 for 10.00

SHIPPING DIRECTIONS: Shrub orders amounting to $5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office.

WEIR'S CUT-LEAVED MAPLE

Where personal selection of any stock is made by customers at our nursery, we always charge according to its value.

ALDER (Alnus)

Glutinosa. European or Common Alder. A remarkably rapid-growing tree, attaining a height of from thirty to sixty feet. Foliage roundish, wedge-shaped and wavy. This species is especially adapted to moist situations. 7 to 9 ft., **75c;** 8 to 10 ft., **$1.00.**

ASH (Fraxinus)

Americana. American White Ash. A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June.

	Each	Three	Doz.	100
8 to 10 ft	$0 75	$2 15	$ 8 00	$50 00
10 to 12 ft	1 25	3 25	12 00	85 00
10 to 12 ft. 2-in. caliper	2 25			
12 ft. 2½-3-in. caliper	3 00 to 4 00			

Excelsior. European Ash. A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. 8 to 10 ft., each, **75c;** 10 to 12 ft., **$1.00;** 12 ft., 2 in. caliper, **$2.25** each.
Excelsior Pendula. (European Weeping Ash.) With 8 ft. clear stem, 4-year old heads, 3-in. caliper, **$5.00** to **$6.00.**
Viridis. (Green Ash.) 6 to 8 ft., each, **50c;** per 100, **$40.00;** 8 to 10 ft., **each, $1.00; per 100, $65.00.** 10 to 12 ft., 2½-in. caliper, **$2.50.**

BIRCH (Betula)

Alba Laciniata. European White Weeping Birch. A graceful tree, with silvery bark and slender branches. Quite erect when young, but after four or five years' growth assumes an elegant drooping habit, rendering the tree very effective in landscapes. 8 to 10 ft., **$1.75.**
Alba Purpurea. Rich dark purple foliage, graceful pendulous habit. Very ornamental. 4 to 5 ft., **$1.25.**
Lenta. (Sweet Bark or Cherry Birch.) A native tree with dark brown bark and bronze-reddish twigs. Leaves somewhat heart-shaped. Thrives in low as well as high ground. 8 to 10 ft., **$1.50** to **$2.00.**

BOX ELDER (Ash-Leaved Maple)

A rapid growing tree with wide spreading branches having bright green leaves, paler beneath turning yellow in early autumn. Very hardy.
6 to 8 ft. ..... each, **$0.75** to **$1.00**
2½ to 3 in. caliper ..... each, **2.50** to **3.00**

CATALPA

Bungei. (Umbrella Tree.) These beautiful globe-shaped tops being grafted high on clean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2-year heads, each, **$2.00** to **$2.50;** 5-year heads, each, **$10.00** to **$12.00.**
Kaempferi. (Japan Catalpa.) A species of rapid growth, with deep green, glossy foliage. Flowers fragrant, cream-colored, speckled with purple and yellow; seed pods long and very narrow; two weeks later than syringaefolia. 7 to 8 ft., **75c;** 8 to 10 ft., **$1.00.**
Speciosa. (Western Catalpa.) One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted. 8 to 12 ft., **75c;** 10 to 12 ft., 2 to 2½ in. caliper, **$1.75** to **$2.50.**
Syringaefolia. (Common Catalpa.) Native of the Southern States. A showy, rapid-growing, spreading, irregular tree, with very large, heart-shaped leaves, and pyramidal clusters, a foot long, of white and purple fragrant flowers. 8 to 9 ft., **$1.00.**

CRAB (Malus)

Floribunda. Single flower; beautiful carmine in bud; white when open. May. Fruit very ornamental in autumn. 7 to 8 ft, extra strong, **$3.00.**
Floribunda Atrosanguinea. Flowers crimson, produced in great profusion A charming variety. May. 7 to 8 ft., extra strong, **$3.00.**
Scheideckeri. A fine variety recently introduced from Germany. Flowers quite double, red in bud, changing to pink or rose color. 7 to 8 ft., **$3.00.**
Crab Apple. Bechtel's Double. (See page 126.)

ELM (Ulmus)

American Elm. Tall and stately with a graceful wide spreading form (vase-like), densely covered with a rich bright green foliage. It stands alone as an ornamental shade tree. The hardiest and most vigorous of all trees. The very best tree for street planting.

	Each	Three	Doz.	100
6 to 9 ft	$0 75	$2 15	$ 8 00	$60 00
7 to 9 ft., 1½ in. caliper	2 00			
7 to 9 ft., 2 in. "	2 50			
10 to 12 ft., 2½ in. "	3 00 to $4 00			
10 to 12 ft., 3 in. "	5 00 to 6 00			
10 to 12 ft., 4 in. "	7 00 to 10 00			
12 ft., 5-6 in. "	15 00 to 18 00			

Campestris. (English Elm.) A great shade or lawn tree, with deep rich, green leaves. 5 to 7 ft. pyramids, **75c.**
Campestris Dampieri. 6 to 8 ft. pyramids, **$1.25.**
Campestris Monumentalis. A slow growing variety, forms a straight dense column, reminding one of a Lombardy Poplar. Very distinct and beautiful. 10 to 12 ft., **$4.00.**
Campestris Latifolius. A fine spreading tree of large growth. The foliage remains green several weeks longer than that of the American Elm. 8 to 10 ft., **$2.50;** 10 to 12 ft., **$3.00** to **$3.50** each.
Horizontalis. Similar to the Camperdown Elm, but the branches grow straight out from the main stem (hence the name), instead of growing down. 8 ft. clear stem, 4-year heads, **$6.00.**
Montana var. Camperdown Pendula. (Camperdown Weeping Elm.) A very picturesque and graceful form with drooping branches; grafted high on straight stems. It is of rank growth, the shoots often making a zigzag growth outward and downward of several feet in a single season. 8-ft. stems, 4-year head, **$5.00** to **$6.00** each.
Purpurea. (Purple-leaved.) A variety with large purple leaves, in the spring changing to dark green as season advances. 8 to 10 ft., 2 to 2½-in. caliper, **$3.50.**

GINGKO BILOBA (Maidenhair Tree)

A remarkable tree from Japan, with beautiful fern-like foliage. Rare and elegant. 5 ft., **$2.00;** 8 to 10 ft., 2 to 2½-in. caliper, **$5.00.**

JUDAS TREE (Red Bud)

It blooms in early spring. Its masses of small delicately rosy red flowers wreathe the leafless branches so quickly as to give very fine contrasts and cheery spring effect. 5 to 6 ft., **$1.00.**

LINDEN (Tilia)

Americana. American Linden. A fast-growing, upright, close-headed native tree with large leaves and fragrant flowers. Grows well in light soil. 8 ft., 1½-in. caliper, **$1.50;** 8 to 10 ft., 2½ to 3-in. caliper, **$3.00** to **$4.00.**
Alba Pendula. (White-leaved Weeping Linden.) A beautiful tree with large foliage and slender drooping branches. One of the finest of the Lindens. 10 ft., **$4.50.**

LOCUST (Robinia)

Pseud-acacia. (Black or Yellow Locust.) A native tree and valuable for its timber as well as ornamental. It is well known for its beauty when loaded with its racemes of creamy flowers in spring. 4 to 5 ft., **35c.** 6 to 8 ft., **60c.**

TEAS' WEEPING MULBERRY (M. Tartarica Pendula)

A BLOCK OF CAROLINA POPLARS AT OUR NURSERIES.

MAPLE (Acer)

Silver Maple. (Dasycarpum.) A large tree with wide spreading branches and drooping branchlets. Very fast grower, makes dense shade and thrives in any soil. We offer especially fine trees for street planting with high set branches. 10 to 12 ft., **$1.25.**

Weir's Cut-leaved Silver Maple. (Dasycarpum Weirii.) One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath and on the young wood, especially deeply and delicately cut. 7 to 9 ft., **$1.25;** 10 to 12 ft., **$2.50** to **$3.00.**

Norway Maples. (Platanoides.) A large, handsome tree, of spreading rounded form, with shiny, deep green foliage. Usually very symmetrical. Its compact habit and stout vigorous growth render it one of the most desirable species for the street, park or lawn. 10 to 12 ft., **$2.25** to **$2.75;** 8 to 10 ft., 1½ to 2-in. caliper, **$3.00** to **$3.50.**

Purple-Leaved Norway Maple. (Schwedlerii.) A handsome tree with beautiful foliage; in the spring a purplish crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same form and other characteristics of the **Norway Maple.** 10 ft., **$2.50** to **$3.00;** 7 to 8 ft., 2 to 2½-in. caliper, **$3.00** to **$8.00.**

JAPANESE MAPLES (Acer)

The Japanese Maples are becoming more and more popular each year as their many ornamental characteristics become better known.

Atropurpureum. (Blood-leaved.) A most attractive, beautiful and ornamental dwarf tree, with deeply cut small thin leaves. Brilliantly colored throughout the season. 2 ft., each, **$1.25;** 4 to 5 ft., each, **$2.50.**

MOUNTAIN ASH (Sorbus)

Hardy ornamental trees, with handsome foliage and showy red fruits. They thrive in most any soil and are particularly valuable as specimen trees for the lawn. The fruits are eagerly sought by the birds and a few trees near the house will give bird lovers much pleasure in early autumn.

European Mountain Ash. A small tree with a symmetrical round topped crown. Native of Europe and Asia. Leaves are compound with 9-15 leaflets, of dark green turning a golden yellow in autumn. The white flowers borne in broad flat corymbs are followed in fall by large clusters of bright red berries.

	Each	Three	Doz.	100
5 to 6 feet	$0 40	$1 10	$4 25	$25 00
7 to 8 feet	60	1 70	6 50	38 00
8 to 10 feet	1 00	2 75	10 00	75 00
8 to 10 feet, 2-in. caliper	2 50			

Golden-Leaved Mountain Ash. A handsome variety, foliage bright yellow. Very effective. 7 to 8 ft., **75c;** 8 to 10 ft., **$1.00;** 10 to 12 ft., 3 in. caliper, **$5.00 to $6.00.**

Silver-Leaved White Beam Tree. A small tree with a compact oval head. Native of Europe and Asia. The leaves are a deep green on the upper surface while underneath they are of a white woolly texture. When the foliage is ruffled by the winds the contrasting colors of the leaf surfaces are very effective, 5 to 6 ft., **$1.25 each.**

Weeping European Mountain Ash. A beautiful variety of rapid growth and decidedly pendulous and trailing habit. The bright red berries being borne in profusion. 6 ft., **$1.25.**

MULBERRY (Morus)

Russian Mulberry. (Tartarica.) A very hardy and vigorous grower, producing sweet fleshy fruits in abundance which is a great attraction for the birds. Equally fine for hedge border or specimen. 6 to 8 ft., **75c;** 8 to 10 ft., **$1.25;** 10 ft., 1½ to 2-in. caliper, **$2.00.**

MULBERRY (Morus)—Continued

Tartarica Pendula. (Teas' Weeping Mulberry.) The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness and delicacy of form, it is without a rival. It undoubtedly takes the foremost place among weeping trees; it has beautiful foliage, is hardy, enduring the cold of the north and the heat of the south. 6 ft., **$2.00;** 6 ft., 3-year heads, selected, **$2.50** to **$3.00** each.

PLANE (Platanus)

Plane Tree or Sycamore. (Occidentalis.) A large and lofty tree with massive branches forming a wide crown. Foliage a bright green, flowers and fruit pendulous, the latter about one inch in diameter. A rapid growing and beautiful tree with picturesque gray or white bark. Extensively used for street and park planting in cities where there is much smoke. 6 to 8 ft., **75c;** 8 to 9 ft., **$1.00;** 8 to 9 ft., 1½-in. caliper, **$1.50.**

POPLAR

As a class the Poplars grow fast, cost little and are quickly effective.

Asiatic Poplar. A rapid-growing tree of pyramidal habit; leaves medium to large, cordate, light green, changing to dark green. 6 to 7 ft., **60c;** 8 to 9 ft., **$1.00.**

Bolleana. (B.) A very compact upright grower, resembling the Lombardy Poplar, with leaves glossy green above and silvery beneath. 6 to 8 ft., **75c;** 8 to 10 ft., **$1.50.**

Carolina Poplar. Of rapid growth. Very desirable when quick shade is wanted. 6 to 8 ft., **40c;** 10 to 12 ft., **$1.00;** 12 to 14 ft., **$1.50;** 12 to 14 ft., 2 to 2½-in. caliper, **$2.00.**

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree. Leaves triangular, the borders serrate, dark green, borne on flattened petioles, moving freely in the wind.

	Each	Three	Doz.	100
6 to 8 ft	$0 40	$1 10	$4 20	
8 to 10 ft	50	1 40	4 80	$30 00
10 to 12 ft	75	2 15	8 00	50 00

Norway. Very similar to Carolina Poplar, 10 ft., each, **$1.00.**

Van Geert's Golden Poplar. Has fine golden yellow foliage. 8 to 10 ft., **$1.00.**

THORN APPLE (Crataegus Carrierii)

Thorn Apple. (Crataegus Carrierii.) Foliage dark, glossy green; fruit large, dark red, showy, and remains on the tree long into the winter. 10 ft., **$3.50;** and **$5.00.**

TREE OF HEAVEN (Ailanthus)

Tree of Heaven. (Glandulosa.) A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. One of the most distinct ornamental trees with pinnate foliage. Flowers in large panicles followed by dense fruit clusters which are highly colored in autumn. Thoroughly hardy and has ability to withstand the smoke and gases of the city. 8 to 10 ft., **$1.00;** 10 to 12 ft., **$2.00.**

WALNUT (Juglans)

Japonica. (Japan Walnut.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 4 to 5 ft., **$1.00;** 5 to 6 ft., **$1.25.**

Nigra. (Black Walnut.) A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 6 ft., **$1.00.**

KOSTER'S BLUE SPRUCE

HARDY EVERGREENS

Evergreens include some of the most beautiful trees in cultivation and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting it is difficult to imagine anything more stately and beautiful. As screens against objectionable objects and for windbreaks and hedges nothing is to be had which will give as thick and dense a foliage during the entire season. They are especially beautiful while all other ornamentals are bare during our desolate winters. A remarkable contrast may be had by planting in informal masses to form a background for the showy flowers of spring blooming shrubs. Even the beauty of the twigs and branches of small trees and bushes is enhanced by such a planting.

All of our Evergreens are transplanted every two years and to insure against loss in handling each will be lifted with a ball of earth and the roots wrapped in burlap.

To be successful, transplanting should be done at a time when the trees are dormant. This permits of planting during September or in the early Spring, April or May.

The True (Koster) Blue Spruce

The New Canna Firebird is the Most Valuable Plant of 1913.

Koster's Blue Spruce. (Pungens Glauca Kosteriana.) Notahle variety from the Rocky Mountains and the most valuahle conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and hrilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, hesides heing of the deepest steel-hlue. Beware of seedlings offered at low prices; these are not as hlue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock.

	Each		Each
18 in.	$ 2.00 to $ 3.00	4 ft.	$ 8.00 to $10.00
2 ft.	4.00 to 5.00	5 ft.	10.00 to 15.00
2½ ft.	5.00 to 6.00	5 to 6 ft.	15.00 to 20.00
3 ft.	6.00 to 7.00	6 to 7 ft.	20.00 to 35.00

The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance.

ABIES—Firs

Balsamea. (Balsam Fir.) A very erect, pyramidal tree, with dark green foliage; very hardy. 3 to 4 ft., **$2.25 each.**

Concolor. (Silver Fir of Colorado.) A Rocky Mountain variety of evergreen without a peer in its native haunts. Its graceful arrangement of hranches, covered with a richly colored foliage of bluish tint above, and silvery gray below makes it a heautiful specimen for lawn planting. 3½ ft., **$4.00;** 4 ft., **$5.00** each.

JUNIPERUS—Junipers and Cedars

Canadensis (Canadian Juniper.) Of low spreading irregular form with foliage of light green. Valuahle for rockeries and slopes. 2½ ft., **$2.50 each.**

Communis Suececa (Swedish Juniper.) More hardy than the Irish Juniper although not so rapid in growth. A heautiful pyramidal form with foliage of a yellowish green. 12 to 15 inches, **65c each.**

Japonica Arg. Variegata (Silver Variegated Juniper.) Foliage heautifu glaucous green, regularly interspersed with branchlets of a pure white. A distinct, rare and beautiful variety. 2 ft., **$2.50 each.**

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs are of a thick, rich green and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rockery gardens where perpetual green is desired. It attains a height of about 12 ft. 2 to 2½ ft., **$2.50;** 3 ft. high by 3 ft. in diameter, **$5.00 each.**

Sabina (Cedar or Savin.) A dwarf spreading evergreen with trailing branches suitahle for rock work. 1 ft., **75c each;** 3½ ft., extra fine specimens, **$3.00 to $5.00.**

Sabina Prostrata (Prostrate Juniper.) A low procumbent form not attaining a height of more than eight inches, hut spreading over a very large space, making it very choice for rock work and hill sides. 12 to 15 in., **$1.25 each.**

Sabina Tamariscifolia Gracilis. A good hardy variety of a trailing and spreading nature, with rich, thick green foliage, growing to the height of about 5 ft. Owing to its wide spreading qualities it is fine as a single specimen and excels as a border for plantings of taller evergreens. 1 ft. high by 1 ft. in diameter, **$1.00 each.**

Virginiana Counarti. A beautiful variety very compact and conical in shape with foliage of rich dark green. Perfectly hardy. 3 ft., **$3.00 each.**

Var. Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden hronze foliage, particularly attractive in winter when the golden hronze of the young growth is contrasted with the dark green of the older. 2½ ft., **$2.50 each.**

Virginiana Glauca (Blue Virginia Cedar.) A vigorous growing variety with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 2 ft., **$1.50;** 3 ft., **$3.00 to $4.00;** 3½ ft., **$5.00.**

Virginiana Schottii. Best of all the green Junipers; fine pyramidal form with foliage of a peculiar bright green. 3 ft., **$3.00 each.**

PICEA—Spruce

Excelsa (Norway Spruce.) A tall and beautiful tree, most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 2 to 2½ ft., **60c each;** 3 ft., **$1.00 each.**

Excelsa Nigra. (Black American Spruce.) A small or medium size tree, a native of Northern America, of great hardiness and particularly useful for planting in the northern states. 12 to 15 in., **each 40c.**

Omorika (Servian Spruce.) A distinct and remarkahly ornamental species of dense growth with narrow outline having shiny leaves of dark green with white lines above. A very hardy tree with conspicuous purple flowers followed hy bluish hlack cones about 2 inches long which become a rich dark brown at maturity. 1½ to 2 ft., **$1.25 each.**

PINUS—Pines

Austriaca. (Austrian Pine.) A stately tree of pronounced type, growing regular shaped boughs, upward inclined, with rich foliage some 4 inches long and producing cones of a shiny hrown color about 3 inches in length. It makes tall rapid growth and adapts itself well in many parts. Is splendid for shelter purpose or as specimens on lawns. 1½ ft. to 2 ft., **75c to $1.00.**

Montana. (Swiss Mountain Pine.) An attractive vigorous growing dwarf pine of dense bright green foliage, especially adapted for rock plantings in small gardens. 10 in. high by 14 in. diameter, **75c to $1.00 each;** 12 in. high by 20 in. diameter, **$2.00 each.**

Mughus. (Dwarf Pine.) A low growing handsome evergreen with vivid colored leaves of a twisty nature and cones of a brown grayish tinge. Makes a choice shrub for covering rocky parts in gardens. 12 to 15 in., **75c each;** 12 in. high hy 18 in. diameter, **$2.00 each;** 18 in. high hy 24 in. diameter, **$3.00.**

Strobus. (White Pine.) A very beautiful and graceful pine regular in form with horizontal boughs and dark green foliage, growing quite tall and surmounted hy a symmetrically formed crown. 1 ft. to 1½ ft., **60c each.**

THUYA—Arborvitae

Occidentalis. (American Arborvitae.) A very pretty shapely tree of pyramidal form. Is a native of America and grows easily, attaining a height of some 20 ft. The foliage is a fresh vivid green, mellowing to a softer shade on the under side of leaf, turning in winter to a hronze. It makes a valuable plant for winter decorations to he kept in vases or tuhs. 1 to 1½ ft., **50c;** 1½ to 2 ft., **70c;** 2 to 2½ ft., **$1.00;** 4 to 5 ft., **$2.00.**

Occidentalis Rosenthalli. Hardy compact grower with dense foliage of dark green. 1½ to 2 ft., **85c each;** 2½ ft., **$1.50 each;** 3 ft., **$2.25 each.**

Occidentalis Warriana. The hardiest of American Arhorvitae although of somewhat slower growth; it has a most heautiful dense and symmetrical form with a rich dark green foliage. 1 to 1½ ft., **75c to $1.00 each.**

Orientalis. (Oriental Arborvitae.) A low growing hushy tree of conical form. Foliage is hright green, turning in fall to a tinge of hronze. Is an excellent tuh or vase plant for porch and is quite hardy. 3 ft., **75c each.**

Thuyopsis Standishi. (Japanese Arborvitae.) A beautiful and attractive species with short horizontal hranches, and bright green foliage. This tree grows especially well in moist locations. 1½ ft., **75c and $1.00 each.**

Tsuga Canadensis. (Canadian Hemlock.) A tall and graceful tree with drooping spreading branches of dark glossy green foliage. Indispensahle for parks or landscapes. 2 ft., **$1.00 each;** 3 ft., **$2.50 to $3.00 each.**

BOOKS You Should Have

Landscape Gardening. Maynard. Cloth, 338 pages **$1.50**

How to Plan Home Grounds. Parsons. Cloth, 246 pages **$1.00**

VAUGHAN'S CHOICE FRUIT TREES

See page 132 for prices in 3 and 12 of a kind.

ABOUT PRUNING

It is very important that the root system and amount of branches balance. No matter how carefully the trees may be dug a portion of the roots are broken or cut off and the balance that exists is deranged. It is therefore necessary that the branches be pruned. Many people are not aware of this and will plant exactly as received from the nursery. A more fatal error could not be made. Prune the branches of fruit trees 5 to 7 ft. in height with 3 to 5 ft. clear stem back to within 3 to 4 buds of their base. Cut back all broken or bruised roots smoothly to sound wood.

We shall be glad to prune fruit and other trees ready for planting if requested. In that case, however, our customers cannot expect to receive trees that answer our specifications as to height for the catalogue sizes are for trees unpruned. **All specimen fruit trees will be pruned before shipping unless our customer expressly states that he does not wish this done.**

When personal selection of stock is made by customers at our Nurseries, we always charge according to its value.

APPLES

Baldwin. Large, roundish; deep bright red; juicy, crisp, sub-acid, good flavor; very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. Dec. to March. 5 ft., **50c**; 7 to 8 ft., **75c.**

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. Dec. to March. 5 to 7 ft., **50c**; 7 to 8 ft., **75c**; 8 to 9 ft., extra strong, **$1.75 and $2.00.**

Bismarck. Tree short, stocky grower, with thick, healthy foliage, hardy and productive; Fruit large, handsome, yellow, shaded and covered with red; tender, sub-acid, quality not best, good for both dessert and cooking. Its most remarkable characteristic is its early fruiting habit. Claimed to be a winter fruit, keeping into March. 3 ft., **60c**; 5 to 6 ft., **75c.**

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Sept. 5 to 6 ft., **50c**; 6 to 7 ft., extra heavy, **60c**; 8 to 10 ft., **$1.75 to $2.00.**

Early Harvest. Medium size; color pale yellow; flavor mild; a good bearer; one of the first to ripen. End of August. 5 to 7 ft., **50c.**

Grimes' Golden. Of the highest quality; medium to large size; deep golden yellow, sub-acid, aromatic, spicy and rich. Tree vigorous and productive. Jan. to April. 5 to 7 ft., **50c**; 7 to 8 ft., extra heavy, **$1.75 to $2.00.**

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. Tree a slender grower, very productive. An excellent fruit and favorite market variety. Nov. to April. 5 to 7 ft., **50c.**

Maiden's Blush. Rather large, smooth, with a fine evenly shaded red cheek or blush on a clear, pale yellow ground; flesh white, tender, sprightly, with a pleasant, sub-acid flavor; bears large crops. Valuable market sort. Sept. and Oct. 5 to 6 ft., **50c**; 6 to 7 feet., selected, **75c.**

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. The tree should be kept open by pruning, so as to admit the air and light freely. Jan. to June. 5 to 7 feet, **50c.**

Northwestern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant, annual bearer. Does well in this vicinity. Jan. to June. 5 to 7 ft., **50c**; 5 to 7 ft., selected, **75c**; 6 to 7 feet, extra heavy, **$1.00.**

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. Aug. 5 to 7 ft., **50c**; 6 to 7 ft., **75c.**

Salome. Tree a strong grower; holds its fruit firmly; early and annual bearer; fruit of medium and uniform size; quality very good, which it retains even into summer. May and June. 6 to 7 ft., **50c**; 7 to 8 ft., **75c**; 8 to 9 ft. specimens, **$1.75 and $2.00.**

Snow (Fameuse). Medium size, roundish, handsome, deep crimson; flesh snowy white, tender, juicy, highly flavored and delicious. Productive and hardy. Nov. to Feb. 4 to 5 ft., **50c.**

Tolman's Sweet. Medium, pale yellow, slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. Nov. to April. 6 to 7 ft., **60**; 7 to 8 ft., **75c**; 8 to 10 ft., extra strong, **$1.75 to $2.00.**

Walbridge. Medium, handsome, striped red; flesh crisp, tender, juicy. Tree a vigorous grower. Especially desirable in cold sections for its hardiness and productiveness. Mar. to June. 5 to 6 ft., **60c**; 6 to 7 ft., **75c.**

Wealthy. Healthy, hardy and very productive. Medium, yellow, shaded with deep red in the sun, splashed and spotted in the shade. Flesh white, fine, tender, juicy, lively sub-acid; very good. One of the most desirable late fall and early winter varieties. Oct. to Jan. 6 to 7 ft., **50c**; 7 to 8 ft., extra strong, **75c**; 8 ft. specimens, **$1.75 and $2.00.**

Wine-Sap. Large, deep red, a good keeper; quality medium, a moderate grower and good bearer. Succeeds well in the west. December to May. 5 to 6 ft., **60c**; 6 to 8 ft., extra fine, **$1.50.**

Wolf River. A handsome apple, originating at Fremont, Wisconsin. Fruit large, greenish yellow, shaded with red or crimson; flesh white, half tender, juicy, pleasant, mild sub-acid, with a peculiarly spicy flavor. Jan. and Feb. 5 to 7 ft., **60c**; 8 ft., selected, **$1.25.**

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality; skin clear white at first, becoming a beautiful pale yellow when fully matured. Ripens before Early Harvest. July and Aug. 5 ft., **40c**; 5 to 6 ft., **50c**; 6 ft., selected, **75c**; 7 ft., selected, **$1.25**; 7 ft., extra strong, **$1.50**; 8 to 10 ft., specimens, **$1.75** and **$2.00.**

CRAB APPLES

Hyslop. Large, deep crimson; one of the most beautiful of crabs. October. 5 to 7 ft., **50c**; 6 to 8 ft., extra strong, **75c.**

Siberian. Large, golden yellow; very popular. September. 5 to 6 ft., **50c**; 6 to 7 ft., selected, **75c.**

Transcendant. Immensely productive, bright red; one of the most popular. September and October. 6 to 7 ft., **60c**; 7 ft., selected, **75c.**

Whitney. One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. August. 6 ft., **50c**; 7 to 10 ft., specimens, **$1.75 to $2.00.**

CHERRIES

Dyehouse. Largely planted for early market, ripening a week before Early Richmond. Early, annual bearer, productive, fine size, good quality. Acid. June. 5 ft., **60c**; 6 to 7 ft., **75c to $1.00.**

Early Richmond. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries, is unsurpassed for cooking purposes and exceedingly productive. June. 4 to 5 ft., **50c**; 5 ft., **60c**; 5 to 6 ft., selected, **75c**; 6 ft., specimens, **$1.00**; grafted on Morello, 5 to 6 ft., **$1.25.**

English Morello. Medium to large; blackish red, rich, acid, juicy and good; very productive. Tree a moderate grower. One of the leading market sorts. July. 4 to 5 ft., **50c**; 5 to 6 ft., **75c.**

Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Last June. 4 to 5 ft., **50c**; 5 to 6 ft., **75c.**

Windsor. Fruit large, liver-colored; flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., **60c.**

Wragg. Claimed to be much hardier than English Morello, which it closely resembles. July. 4 to 5 ft., **60c.**

PEACHES

Champion. Middle of August. Fruit large, beautiful; skin creamy white, with red cheek; sweet.

Crawford's Early. Large yellow; of excellent quality. Very vigorous and prolific.

Crawford's Late. Very large and productive, yellow; ripens about the close of the peach season.

Crosby. One of the hardiest; abundant bearer, bright yellow. September.

Elberta. Large, yellow; one of the leading market varieties. September.

Wonderful. Freestone peach; rich, golden yellow, overspread with rich carmine. Any above, nice trees, 4 to 6 ft., **each 35c; 3 for $1.00; per 100, $25.00; extra heavy, 4 to 6 ft., 50c.**

FRUIT TREES—Continued

PEARS

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant hearer. Aug. and Sept. 4 to 5 ft., **50c.**

Clapp's Favorite. Very large, yellow and dull red; very fine. August. 5 to 6 ft., **50c;** 6 to 7 ft., **75c.**

Duchess. Grafted on Quince, on which it does best. A fall pear, large fruit, rich and juicy. A popular market variety. 3 to 4 ft., **75c.**

Flemish Beauty. Large, juicy, rich, one of the hardiest. Sept. and Oct. 4 to 5 ft., **50c;** 5 to 6 ft., **70c;** 6 ft., selected, **80c.**

Kieffer. Good for preserving and canning; extra large; good bearer. Octoher. 5 to 6 ft., **40c;** 6 to 7 ft., **60c;** 7 to 9 ft., **$1.00.**

Koonce. Thoroughly tested for several years. Has produced good crop when all other varieties were killed by frost. Fruit medium to large yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 4 to 5 ft., **40c;** 5 to 6 ft., **60c;** 6 to 8 ft., **75c;** 8 to 10 ft. specimens, **$2.50.**

Seckel. Small, yellowish hrown, red cheek; best to eat out of hand and pickle. Sept. and Oct. 4 to 5 ft., **50c.**

PLUMS

Abundance. This is the plum for you, if you try hut one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. Aug. 4 to 5 ft., **60c.**

Burbank. The best and most profitahle among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; bears young; fruit large, excellent quality, cherry red with lilac hloom. August. 4 to 5 ft., **60c.**

De Soto. Very hardy, hright red. Sept. 5 ft., **55c;** 6 to 7 ft., selected, **75c.**

Wolf. Very popular, large, immensely productive. August. 5 ft., **50c;** 5 to 7 ft., selected, **75c.**

QUINCE

Meech. A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 4 to 5 ft., **60c;** 5 ft. specimens, **$1.00** to **$1.25.**

ENGLISH POT GROWN FIGS, GRAPE-VINES, NECTARINES, PEACHES AND OTHER FRUIT TREES

We import these on advance orders only from one of the best and most reliable growers in England. Prices on application.

CHOICE SELECTION OF SMALL FRUITS

BLACKBERRY ELDOROD

GOOSEBERRY KEEPSAKE

BLACKBERRIES

Each, 10c; per doz., 75c; per 100, $3.00.

If to go by mail, add 5c per dozen for postage.

ELDORADO. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet hlack. Large clusters.

SNYDER. Extremely hardy, enormously productive, medium size; no hard, sour core; sweet and juicy; ripens early.

STONE'S HARDY. Best variety for the north; fruit rich and melting. Fine flavor; very productive.

CURRANTS

(Except where noted) 2-year, **each 15c, 3 for 40c, doz. $1.50;** 3-year, **each 25c, 3 for 65c, doz. $2.50.**

If to go by mail, add 3c each for 2-year and 5c each for 3-year plants. The larger plants **should be expressed.**

BAR-LE-DUC. (White.) This excellent Currant bears clusters which have from 12 to 14 large white herries, which are very sweet. The berries are whitish and not yellowish like other white currants. 2-year bushes, **each 50c, doz. $5.00.**

BOSKOOP GIANT. (Black.) This famous new currant of strong growth and free bearing quality, is in great demand, being especially adapted for preserving. 2-year, **each 20c, 3 for 55c, doz. $2.00;** 3-year **each 30c, 3 for 80c, doz. $3.00.**

FAY'S PROLIFIC. (Red.) The leading market variety.

LEE'S PROLIFIC. (Black.) One of the best for general use.

NORTH STAR. (Red.) It is hright in color and is the **sweetest and best flavored currant known.** It is an early and prolific hearer.

PERFECTION, NEW. (Red.) Very large. A cross of the famous Fay's Prolific and the white grape; originated hy Mr. Chas. G. Hooker. A very productive variety with berries ahout as large as grapes, making it a valuahle market sort. It is mild in flavor and free from sharpness. 2-year, **each 35c, 3 for 90c, doz. $3.50.**

RED DUTCH. The old well-known red currant.

WHITE DUTCH. The well-known white currant.

THE PERFECTION CURRANT

BOOKS ON FRUIT GROWING

Berry Book, The Biggle. Cloth, 126 pages..... **$0.50**
Fruit Growing, Principles of. L. H. Bailey. Cloth, 514 pages..... **1.50**
Grape Culturist, Fuller's. Cloth, 150 Illustrations..... **1.50**

GOOSEBERRIES

2-year, **each 25c, 3 for 65c, doz. $2.50;** 3-year, **each 35c, 3 for 65c, doz. $3.50.**

If to go by mail, add 4c each for 2-year and 6c each for 3-year plants for postage. The larger plants **should be expressed.**

DOWNING. (Green.) Largest of our native Gooseberries; very sweet.

HOUGHTON. (Red.) Well known, medium size, very productive.

INDUSTRY. (Red.) It is one of the heaviest croppers. The fruit is of largest size, very early and sweet.

KEEPSAKE. (Green.) A very large, straw-colored variety of the finest quality and largest size. Its ahundant foliage protects the fruit.

RED JACKET. The hest Red Gooseberry in existence; has good foliage; mildew proof; yields well; smooth, hright red color and of excellent quality.

GRAPES

(Except where noted) 2-year, **each 20c, 3 for 55c, doz. $2.00;** 3-year, extra heavy, **each 30c, 3 for 80c, doz. $3.00.**

If to go by mail, add 3c each for 2-year and 5c each for 3-year vines for postage.

CAMPBELL'S EARLY, King of American Grapes. (Black.) A grape in all respects hetter adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; hlack, with light purple bloom; skin thin; flavor rich and sweet. Price, 2-year-old vines, **by express, each 30c, 3 for 80c, doz. $3.00;** 3-year-old, **by express, each 40c, 3 for $1.10, doz. $4.00.**

GRAPES—Continued

BRIGHTON. (Dark Red.) Bunches large; medium size, skin thin, flesh tender, quality the hest. Must be grown with other sorts, as it does not pollenize itself.

CATAWBA. (Red.) Bunches large and loose; herries large, of coppery red color, hecoming purplish when well ripened.

CONCORD. (Purple.) Well known, reliahle.

DELAWARE. (Red.) Bunches small, compact, shouldered; small, round; skin thin; flesh very juicy.

DIAMOND. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp. A fine variety for hoth market and home garden.

NIAGARA. (White.) Vine hardy; unusually strong grower; bushes large and compact, mostly round; semi-transparent, slightly amhered in the sun; skin thin, tough; sweet to center.

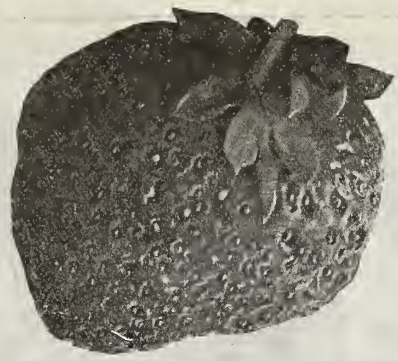
MOORE'S EARLY. (Black.) Bunch medium; herry large, round, with a heavy blue bloom; vine hardy and moderately prolific. Its large size and earliness render it desirable for an early crop.

WORDEN. (Black.) Handsome, compact hunch; ripens three weeks earlier than Concord.

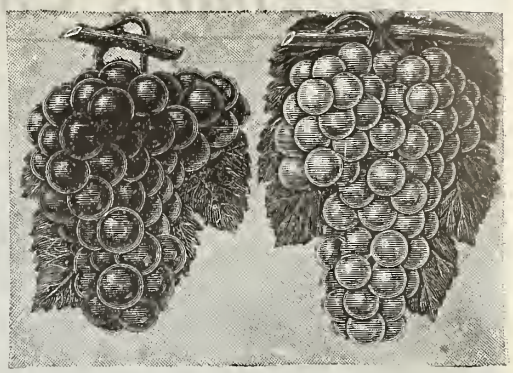
SPECIAL OFFER No. 773 The set of 9 grapes, 2 years, for **$1.50,** by **express.**

SPECIAL OFFER No. 783 The set of 9 grapes, 3-year, **$2.00** hy **express,** includes the new Camphell grape.

RASPBERRY, The Loudon



NEW STRAWBERRY "Waldorf."



CAMPBELL'S EARLY NIAGARA

RASPBERRIES

(Except where noted) **each 10c, 3 for 25c, doz. 75c, per 100. $3.00.**

If to go by mail, add 10c per doz. for postage.

"THE HERBERT RASPBERRY." (New.) Red. A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. The best Red Raspberry up to the present time. **Per doz. $1.25, 25 for $2.00.**

COLOSSAL. (Red.) Truly colossal, plant and fruit, and iron-clad in hardiness; a sprightly, sub-acid flavor.

COLUMBIAN. (Red.) Valuable and profitable. The fruit is cone-shaped, almost purplish color. Fruiting season extends from July 10th to August 15th.

GREGG. (Black.) Large, heavy bearer.

LOUDON. (Red.) The largest Red Raspberry we have ever seen. When boxed for market it outclasses everything in the Red Raspberry line and sells quicker and for more money. It is almost everbearing.

KANSAS. (Black.) The best of all the Black Caps, berries large or larger than the Gregg; jet black, firm, handsome and of the best quality; exceedingly productive.

OLDER. (Black.) Of strong growth, producing canes very much branched, giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.

FALL BEARING STRAWBERRIES

By planting these new varieties one may now have Strawberries from early Spring to late Fall. Fall-bearing Strawberries seem to be no longer an experiment for with the advent of Americus, Francis and Productive, Strawberries have been grown and marketed until snow was on the ground. These varieties bloom from May until Winter and under ordinary conditions will bear a scattering crop throughout the season, but if the blossoms are picked or pinched off up to within three weeks of the time when fruit is wanted the results will be satisfactory. To make provisions against an early fall it would be well to stop pinching about August 1st. Ripe fruit may then be expected by the last of August.

These varieties may be planted just like the June bearing varieties and given the same treatment except for the pinching. **15c each, $1.00 per doz., 25 for $1.75, 50 for $3.00, postpaid.**

AMERICUS. Very vigorous, of large size and fine flavor. Not quite as early as Francis but fruits over a longer season. Does best on a rich clay loam. The berries are borne well away from the foliage.

FRANCIS. Inclined to be feeble at the start but once rooted they become very vigorous, producing a profusion of flowers even on the younger runners. The fruit is large, brightly colored and borne in surprisingly large quantities. The berries are irregular in shape, not as highly flavored as Americus but of good quality and a sure cropper.

PRODUCTIVE. The strongest growing of all the varieties with thick leathery leaves. An abundant cropper of excellent size and quality. Very firm and an excellent shipper. Remove part of the blossoms to increase the size and flavor.

FOR PRICES on these Fall Bearing Strawberry Plants **for Fall Delivery,** see our Fall Catalog, or write for prices.

SPECIAL OFFER No. 793 A Strawberry collection, 100 fine strong healthy plants (Spring delivery only), in four good sorts, our choice, **prepaid, $1.25.**

STRAWBERRIES

Varieties marked (*) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as are all not so marked. Thus planted the (*) sorts are the most productive.

AUG. LUTHER. Early well-known standard variety, good grower and reliable. Fruit large, glossy, bright red, firm and of good quality.

BRANDYWINE. Late berries large. One of, if not the best, well tested varieties for both home and market use.

CLIMAX. This is the best early variety now on the market. A good size, good color and very productive, which most real berries lack.

CLYDE. Early. The most productive variety yet introduced. Immense size. A fine berry for home market.

GANDY. Late. One of the best varieties in cultivation. Berries large, of fine form and excellent quality. Flesh firm.

HAVERLAND. (*) A mid-season berry with long and good colored fruit. Very prolific and heavy cropper.

JOHNSON'S EARLY. Early. Desirable, very prolific and healthy grower, fruit large, of good form and color, and delicious flavor.

NICK OHMER. Mid-season. Very large, dark glossy, red, firm, and perfect in shape. Enormous yielder and of excellent flavor.

PATAGONIA. (New.) Strong plants with large, firm foliage, never sunburning, bearing stiff, branching stalks which hold the uniformly large berries free from the ground. Fruit abundant, fine scarlet in color with pale yellow flesh. Firm and a good keeper, of fine pineapple flavor, which can be eaten by everyone. A home berry, ripening early, and prolific during a long season. **Each 10c, doz. 75c.**

PRIDE OF MICHIGAN. Mid-season. Fruit medium to large, of a dark glossy red color. Good plant maker and stands drouth better than most kinds.

SENATOR DUNLAP. Mid-season. Vigorous. Fruit large and attractive in form, deep red to the center. Begins to ripen early and continues nearly a month.

SAMPLE. (*) Late. Good bearer, with large roundish berries of firm flesh, bright red color.

UNCLE JIM. Mid-season. There is no larger berry grown. It is a dark crimson and showy. It is very prolific and long season.

WALDORF. (New.) Early vigorous foliage, strong grower and very prolific, exceeding in productiveness any variety in cultivation. The fruit is smooth, medium to large; color a bright scarlet; keeping qualities excellent and a splendid shipper. An ideal Strawberry either for home use or for the market gardener. **Doz. 50c, per 100 $2.00.**

Except where noted, **per doz. 35c, 100 $1.25, postpaid; per 1,000 $8.00 by express. For Spring delivery only.**

STRAWBERRIES FOR SEPTEMBER AND OCTOBER DELIVERY

Strawberry Runners, as per above list, $2.00 per 100.
Strawberry Pot Plants, as per above list, $3.50 per 100.

SPECIAL HOME GARDEN OFFER

12 Blackberries—2 varieties.
12 Raspberries—black and red.
50 Strawberries—2 varieties.
6 Currants—2 year, red and white.
6 Grapes—2 year, 3 varieties.
All good standard varieties, our selection, $3.00.

Vaughan's Carefully Blended Turf Seed

THE PUTTING GREEN

Field sports call for carefully grown turf suited to the particular sport followed. The requirements of the Golf Links are not the same as those of the Tennis Court or Bowling Green. The joy of sport is drawn from the success of the game, success to no small extent in turf sports depends on the condition of the grass sward. Through careful study, trials and wide experience we have evolved certain formulas in the blending of grasses to suit general and special conditions of the different kinds of field sports calling for grass. When special mixtures are wanted, as some grasses only thrive under certain conditions and in special soils, it is always best for customers to give us full particulars concerning soil, drainage and requirements. Our large annual sales of grass seed to the leading Golf, Country, Tennis and Baseball Clubs in the United States offers the best testimonial as regards the general satisfaction our seed gives.

PUTTING GREEN MIXTURE.

Skilful playing is sometimes defeated on an inaccurate "Putting green." Golf players only may appreciate to the full extent the high importance of a uniform turf, particularly at the "putting stages" of the game.

As a pool player requires that the table he plays on be accurately adjusted, the Golf player, with equal need for accuracy, should have a turf free from knots and bunches, especially on the "Putting Green."

Vaughan's Putting Green Mixture is a combination of seed of low growing, fine bladed grasses which produce a close, firm, velvety turf under general conditions.

Many golf courses have particular conditions to meet and from such parties we solicit correspondence as to their soil, drainage and watering facilities, for we believe we can afford them considerable assistance on account of our experience.

There are no mysterious secret grasses or grass mixtures, as many seed salesmen would have you believe, commercial grasses are well known, quality, cleanliness and purity are easily determined. We know where to get the best samples and we buy them. We invite analysis and comparison. Vaughan's Putting Green Mixture, 1 lb. sows 350 to 400 sq. ft.

Lb., 30c; 5 lbs., $1.25; 50 lbs., $10.50; 100 lbs., $20.00.

VAUGHAN'S "GOLF LINK" (FAIR GREEN) GRASS SEED.

The older Golf Links usually have mixtures they have found to be best suited to the need of their links. This mixture will give general satisfaction in the majority of soils, we recommend it.

The grasses in this mixture endure wear and tear, and retain their good appearance. Sow 75 to 100 lbs. per acre.

Per lb., 25c; 5 lbs., $1.00; 50 lbs., $9.25; 100 lbs., $18.00; special prices on larger quantities.

VAUGHAN'S MIXTURE FOR TENNIS LAWNS.

For Cricket, Croquet, Bowling Green, etc.

Sow 50 to 60 lbs. per acre for new lawn or Bowling Green; 15 to 20 lbs. per acre to improve existing turf.

Per lb., 30c; 5 lbs., $1.25; 15 lbs., $3.50; 25 lbs., $5.50; 50 lbs., $10.50; 100 lbs., $20.00.

VAUGHAN'S HIGH GRADE LAWN FERTILIZER.

The essential characteristics of high class fertilizer are those qualities which will supply the **plant food** necessary to maintain the beautiful color, and velvety appearance. Lawn grass is a voracious feeder and must have the elements necessary to its growth. While stable manure contains these elements, its objectionable features, unsightliness, odor and weed seeds combine to make it highly objectionable.

Now, if your lawn is in fair condition, all you need do is rake off the dead leaves and grass in the early spring and scatter broadcast over the surface sufficient **Vaughan's Lawn Fertilizer** with a little **"Chicago Parks" Lawn Seed** over the thin spots, and the work is done.

DIRECTIONS. Make first application in early spring, when frost is out of the ground, distribute evenly 25 lbs. fertilizer to every 1,000 square feet of lawn. In seeding down new lawn, scatter double the amount, 50 lbs. of fertilizer on every 1,000 square feet; rake in thoroughly, then sow seed.

Price—5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.00; 50 lbs., $1.75; 100 lbs., $3.00; 200 lbs., $5.50; 500 lbs., $12.00; 1,000 lbs., $22.00; 2,000 lbs., $42.00.

New York prices—50c per 100 lbs; $7.00 a ton more.

REGULAR BONE MEAL—5 lbs., 20c; 10 lbs., 35c; 25 lbs., 60c; 50 lbs., $1.10; 100 lbs., $2.00; 200 lbs., $3.80; 500 lbs., $9.00; 1,000 lbs., $17.00; ton, $33.00.

HARD WOOD ASHES.

This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. It is also beneficial to vegetables and field crops, and especially recommended to Cabbage and Onion growers.

Price—25 lbs., 45c.; 50 lbs., 75c.; 100 lbs., $1.25; 500 lbs., $5.00; 1,000 lbs., $9.50; ton, $18.00.

NITRATE OF SODA.

Is conducive to grass growth. After active growth begins in the spring apply this at the rate of 100 lbs. per acre.

Prices subject to market changes.

5 lbs., 35c; 10 lbs., 60c; 25 lbs., $1.35; 50 lbs., $2.25; 100 lbs., $4.00; 500 lbs., $18.00.

VAUGHAN'S "CHICAGO PARKS" LAWN SEED

The Best General Purpose Lawn Mixture that can be Made

HOW TO MAKE A LAWN

Have soil thoroughly spaded up, enriched with commercial fertilizer or well rotted manure, level and roll it well to make compact. Select a still, damp day for seeding; sow one-half of the seed from North to South and half from East to West, rake it over and roll again, when grass comes up replanting bare spots. When grass is 2 inches high cut it, and as necessary thereafter. Don't rake up short clippings as they make a good mulch. Always thoroughly soak a lawn when sprinkling, as is required, but never sprinkle lightly. Free booklet, "How to Make a Lawn." Send for it.

QUANTITIES TO USE

25 lbs. for one-fourth acre	**1 lb. for 350 square feet**
50 lbs. for one-half acre	**5 lbs. for 1,750 square feet**
100 lbs. for one acre	**10 lbs. for 3,500 square feet**
	15 lbs. for 4,250 square feet

If intended for renovating an old lawn, about half the above quantities are sufficient for the given spaces.

Vaughan's "Chicago Parks" Lawn Seed

Special Quotation.—We shall be pleased to quote special prices to Golf Clubs, Institutions, Parks and others, who require Lawn Grass and Clover Seeds in large quantities.

Price ½ lb., 15c; 1 lb., 25c; 3 lbs., 65c; 5 lbs., $1.00; 10 lbs., $1.95; 15 lbs. (a legal bushel), $2.90; 20 lbs., $3.85; 25 lbs., $4.75; 50 lbs., $9.25; 100 lbs., $18.00. Postage, 8c per lb. extra.

U. S. GOVERNMENT ADVICE

Department of Agriculture, Washington, D. C. BULLETIN 494

"In procuring seed for a lawn too great care cannot be exercised. Pure seed of high germination is of great importance in securing a good stand of grass.

"Pure seed is the keynote to a clean lawn, provided the work of preparing the land has been efficiently done.

"Thorough preparation involves not merely the mechanical treatment of the soil to reduce it to a proper seed bed, but the use of weed-free manure and the adoption of a course of treatment previous to preparing for the lawn, which shall serve to eradicate weeds. Such preparation coupled with pure seed, should give a satisfactory stand of grass which should need only the usual care necessary to maintain a lawn after it is once established."

In many grocery and department stores are sold dirty mixtures composed of the poorest grasses that never come up after the first year, chaffy seed, with nothing but "cheap prices" to recommend it. The cost of best seed is only a small outlay, why waste money, time and labor on spurious, valueless seeds? Vaughan's Chicago Parks Lawn Mixture produces beautiful and permanent turf. It is as pure, free from weeds and chaff as human skill and scientific machinery can make it. We invite microscopic examination, comparison or analysis.

We do not know of a better proof to offer, of the general excellence, reliability and attractive beauty of Vaughan's "Chicago Parks" Lawn seed than the continual use of it by many of the most noteworthy places in the United States.

FOR SHADY LAWNS — Vaughan's "COLUMBIAN Lawn" Grass Seed — *ON SANDY SOIL*

FOR SHADY LAWNS—Vaughan's Columbian Lawn Grass Seed on Sandy Soil, use 1 lb. for 400 square feet; 5 lbs. for 2,000 square feet; 10 lbs. for 4,000 square feet; 15 lbs. for 6,000 square feet; 25 lbs. for one-fourth acre; 100 lbs. for one acre.

Columbian is a selection of fine grasses which naturally thrive under shade of trees or buildings, or suitable for light sandy soils. This mixture produced lawns of beauty at the Columbian World's Fair, where it was used extensively and gave splendid results. Sow at least 100 lbs. per acre for new lawn, 50 lbs. per acre for thin grass.

Price—Lb., 25c; 5 lbs., $1.00; 10 lbs., $1.95; 20 lbs., $3.85; 25 lbs., $4.75; 50 lbs., $9.25; 100 lbs., $18.00. If by mail add 8 cents per lb. for postage.

VAUGHAN'S "QUICK SHOW" LAWN MIXTURE

Many people desire a lawn that will make a showing immediately after planting. This mixture contains the quickest growing grasses, it has not the permanency or color of our "Chicago Parks" but will make a respectable showing after the first season. Sow 50 lbs. to acre.

Price—Per lb., 20c; 5 lbs., 75c; 25 lbs., $2.85; 100 lbs., $10.00.

VAUGHAN'S SPECIAL GRASS MIXTURE

Extra choice mixture, contains large proportion of finer and more expensive species, such as Rhode Island Bent, Crested Dog's Tail, Creeping Bent, in extra heavy samples, bringing the weight up to 20 lbs. per bushel, produces turf of the closest and finest texture possible. Sow 50 lbs. to acre.

Price per bu. of 20 lbs., $4.50.

VAUGHAN'S DEEP SHADE MIXTURE

For use under large trees where the shade is dense. Made up of the most expensive fancy grasses only, such as Wood, Meadow, Rough Stalked Meadow, Slender Fescue, etc.

Per bu. of 20 lbs., $7.00.

VAUGHAN'S LAWN RESTORING GRASS MIXTURE

A mixture of grasses which take firm hold and grow quickly on hard, wornout or burned spots, best time to re-sow them is very early in the spring, and may also be sown in fall, first of September to first of October. Some lawn-restoring grass seed should also be sown before every summer rain on thin places.

Price—per quart, 25c; per bushel of 24 lbs., $4.50.

KENTUCKY BLUE GRASS—Description page 140. **Per lb., 20c; 5 lbs., 85c; bushel, $1.85 (legal weight, 14 lbs.; this seed weighs 21 lbs.); 5 bu., $8.50.**

RED TOP Fancy seed. **Lb., 20; 5 lbs. for 85c.**

WHITE CLOVER, Extra Fancy. **Lb., 50c; 3 lbs., $1.45; 10 lbs., $4.75. Add 8c per lb. to above price if wanted by mail.**

KALAKA Combination of superior grass seed with concentrated dry manure. Quick germination. **2 lb. box, 50c; 5 lbs., $1.00. Send by express only.**

Vaughan's High Grade Recleaned Grass and Clover Seeds.

Our endeavor is to handle only the very best and purest grass seeds. Our fancy grasses for lawns and golf courses, as well as our standard farm species, are direct from the producers and are the very best samples the market and season afford. We supply only the best and highest germinating seed and our prices are based on supplying this quality. We cannot, therefore, nor do we wish, to compete with half-cleaned, mixed and graded seed offered at cheaper prices. We invite analysis and mircoscopic examination.

Prices on grass seed fluctuate like those of grain, changing daily, therefore, although we shall do our our best to maintain the prices below; these figures are at all times subject to market changes. Should these seem high, write for the latest quotations. Our locations, Chicago, the grass seed center of the United States, and New York, the largest importing center, put us in a position to quote the very lowest prices on the qualities we supply. Samples for the asking.

Prices below do not include postage. If desired by mail, add 8c per lb. Grain bags 25c each extra for bushel lots or more. Unless otherwise noted, prices on this and the next two pages apply to shipments either from Chicago or New York.

RED TOP GRASS (Agrostis Vulgaris).

KENTUCKY BLUE GRASS (Poa Pratense).

Fancy Seed. Agriculturally this is well called the King of all Pasture Grasses. However, it is not such a general purpose grass as is Red Top. Wherever this grass does well, generally on lime soil, land there at once commands a high price, as it becomes the animal breeder's ideal location. This grass requires some time to establish itself. For a couple of years should only be lightly grazed. Time for sowing depends on the locality. There are three principal times of sowing, in the Fall, in the early Spring and again in June. Sow three bushels (14 lbs. to the bu.) per acre. This seed should never be covered, but only rolled after sowing, as the seed germinates better in the light than in the dark. Our seed this year was specially saved for us by one of the largest Kentucky growers, is almost free from foreign and chaffy matter, and our tests show a very high percentage of germination. Purchasers should beware of cheap Blue Grass, as it is sure to be light seed or else mixed with the cheaper Canadian Blue Grass.

For The Best of All Grasses for the Lawn.

V Brand

Extra Fancy Seed. Sun dried, twice recleaned. Very high germination, Lb 25c, legal bushel 14 lbs, $2.40, 100 lbs $16.50.

Fancy Seed. Actual weight 21 lbs per bu. Sold at legal weigbt, 14 lbs. Lb 20c, bu (14 lbs) $1.85, 5 bu $8.50

Kentucky Blue Grass.

RED TOP GRASS (Agrostis Vulgaris).

This is one of the most generally useful agricultural grasses we have. It will grow upon every soil and give entire satisfaction to the farmer. It is not only a good meadow grass, but is one of the best pasture species, grazing being a benefit and almost a necessity for its perpetuation and preservation. In a moist soil it does the best, and in swampy places that would otherwise produce nothing in the grass line, Red Top will thrive with the greatest vigor. Where other grasses demand special soils, Red Top will do well, whatever is the character or location of the soil. Not so good as Timothy for hay, but as a combination for hay and then pasture, it is the best of nearly all the economic grasses. Sow alone or with a nurse crop. One bushel of chaff, or unhulled Red Top, or one-half bushel of Fancy Seed is sufficient to sow an acre.

For lawn purposes it is one of the very best, forming a low growing turf and germinating rapidly. Seed comes in two grades—the chaff or unhulled seed, weighing 14 lbs. to the bushel, and the fancy, re-cleaned from chaff, seed, weighing 32 lbs. to the bushel. Our seed is the cream of this year's crop, has been carefully re-cleaned and is free from noxious weeds and light chaff.

V Brand

Fancy. Solid Seed, bushel 32 lbs. Lb 20c (by mail 28c), 10 lbs $1.65, 100 lbs $14.00.

Common. Bushel 14 lbs. Lb 12c (by mail 20c), 10 lbs $1.00, 100 lbs $8.50.

AGROSTIS CANINA (Rhode Island Bent Grass).

A valuable lawn grass. Resembles Red Top somewhat, but has shorter and narrower leaves. Much used in the East, especially in the New England States. Makes a very fine colored, close turf and readily adapts itself to almost any soil, wherein again it is similar to Red Top. Of considerable value for permanent meadows and pastures. For lawn sow 3 to 4 bu. This seed is imported, and on account of poor crop conditions in Europe this season, is scarce. 14 lbs. to the bushel. **Lb., 35c (by mail, 43c); 10 lbs., $3.25; 100 lbs., $30.00.**

AGROSTIS STOLONIFERA (Creeping Bent Grass).

The ideal grass for golf-putting greens. Very distinct, with long prostrate or creeping stems. Its creeping root and spreading habit form a lasting turf that withstands hard usage better than other sorts. The leaves are fine and dense growing, making it valuable for low bottom lands and especially for slightly sandy soil. Good for both hay and pasture. Our sample specially cleaned and heavy. Seed scarce. Sow 50 lbs. to the acre. 14 lbs. to the bushel. **Lb., 35c (by mail 43c), 10 lbs., $3.25; 100 lbs., $30.00.**

ALOPECURUS PRATENSIS (Meadow Fox Tail).

The most valuable grass for moist meadows and pastures, particularly the latter. One of the earliest of all grasses, thus permitting early pasturage. Very hardy, and after the second or third year, when it comes to full yield, produces a large amount of excellent forage. Should enter into all mixtures for permanent pastures. Is never sown alone, as it does not reach maturity for two or three years. Sow with other grasses, 3 to 4 lbs. to the acre, 7 lbs. to the bushel, Lb 35c, (by mail, 43c) 10 lbs $3.25, 100 lbs $30.00.

ANTHOXANTHUM ODORATUM PUELLI (Sweet Vernal Grass).

An annual of sweet scent but bitter taste, so that it is of small value for pasturage, but is of some value for lawn purposes. 10 lbs. to the bushel. Lb 20c (by mail 28c), 10 lbs $1.75, 100 lbs $15.00.

ANTHROXANTHUM ODORATUM (True Sweet Vernal). A perennial. Lb 50c, (by mail 58c), 10 lbs $4.25.

AVENA ELATIOR (Tall Meadow Oat Grass).

An excellent meadow grass both for Winter grazing and for hay for the Southern States and dry climates. Growth is rapid, it blooms early and when cut dries out rapidly. Not suited to heavy, moist soils. Yield very heavy, permits three to four cuttings on good soil. Should not be sown alone, as it does not form a compact turf. Very hardy, withstanding extreme drouth, heat and cold. 13 lbs. to the bushel. **Lb., 25c (by mail 33c); 10 lbs., $2.25; 100 lbs., $20.00.**

CANADA BLUE GRASS (Poa Compressa).

This is a hardy perennial grass, which forms a strong turf on account of its dense creeping root stalks. It adapts itself to all soils and withstands differences of soils and climate better than most other grasses. Particularly adapted to the Eastern and Middle States for pasture and dairy use. For a lawn grass it is of considerable value where the turf is subjected to hard usage. 14 lbs. to the bushel. **Lb 15c (by mail, 23c), 10 lbs $1.40, 100 lbs $10.00.**

ENGLISH BLUE GRASS (Festuca Pratense, or Meadow Fescue).

A native of Europe, it has become thoroughly naturalized here. The grass is a very permanent one and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow 1½ bushels to the acre. 20 lbs. to the bushel. **Lb 15c (by mail, 23c), 10 lbs $1.35, 100 lbs $12.00.**

BERMUDA GRASS (Cynodon Dactylon).

A very valuable grass in the warmer climates. In the Southern States and warmer regions of the Southwest on the Pacific Coast, it is cultivated extensively and is most highly prized, chiefly for grazing, all kinds of stock being exceedingly fond of it. Resists extreme drouth and high temperature and grows freely on a sandy soil where other grasses will not thrive. Does not do well in the shade. As a lawn grass it is much used in the South with excellent results. Being difficult to eradicate, it should not be placed in a soil except desired permanently. Seed should be sown at the rate of 15 lbs. to the acre. Sow in the spring. 36 lbs. to the bushel. Short crop. Write **Lb $1.00, 10 lbs $9.00.**

BROMUS INERMIS.

(Awnless Brome Grass.)

A most valuable and comparatively new grass for meadow use. In the arid regions of the West and Northwest this grass has a great future. It is very hardy, strongly stoloniferous (creeping roots), and quickly makes a thick, firm turf. Particularly hardy and unusually drought resisting, it is now more highly regarded for its feed value than a few years ago, and does not compare unfavorably with Timothy or similar hay. Somewhat difficult to eradicate, so should be given a permanent place. Cut when first coming into bloom. Our seed is choice and re-cleaned. 14 lbs. to the bushel. Sow two bushels to the acre. **Lb., 20c (by mail 28c), 10 lbs $1.75, 100 lbs $15.00.**

AWNLESS BROME GRASS.

CYNOSURUS CRISTATUS.

(Crested Dog's-tail.)

A valuable lawn grass, as it forms an even and compact sward. Does fairly well in shade and should be a constituent of all good shade lawn mixtures. Good for pasture. For lawn purposes it should be sown with other grasses, about 5 lb. to the acre. 21 lbs. to the bushel. **Lb., 35c, (by mail 43c), 10 lbs $3.25, 100 lbs $28.00.**

ORCHARD GRASS.

ORCHARD GRASS (Dactylis Golmerata).

A very hardy popular grass grown successfully almost anywhere in the United States, flourishes in shade or sunshine, therefore excellent for woodland pastures with good soil. Wet soils do not suit it. Good for both hay and pasture. Valuable in pasture because it offers feed a few days after moist weather in Spring, and it may be cut for hay before Timothy. Deep pasturing that would destroy Timothy improves this grass. Has a tendency to grow in stools and leave bare spaces, which may be overcome by rolling and harrowing. Red Clover sown 10 lbs. to the acre is also a good preventive. Not a good lawn grass even in shade 14 lbs to the bushel. Lb. 20c, (by mail 28c), 10 lbs $1.80, 100 lbs $15.00.

The market price on grass seeds varies like that of grain. Purchasers in quantity should write for the latest prices and samples before ordering.

FESTUCA DURISCULA (Hard Fescue.)

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, and must be sown very thickly on account of its forming tufts. Sow 30 lbs. to the acre; 12 pounds to the bushel. Lb., 25c (by mail, 33c); 10 lbs., $2.00: 100 lbs., $18.00.

FESTUCA HETEROPHYLLA (Various Leaved Fescue.)

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf. Sow 40 lbs. to the acre; 15 lbs. to the bushel. Lb., 30c (by mail, 38c); 10 lbs., $2.75; 100 lbs., $25.00.

FESTUCA OVINA (Sheep's Fescue.)

A good grass for up-land pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permits its use for lawn purposes. Sow 35 lbs. to the acre; 12 lbs. to the bushel. Lb., 25c (by mail, 33c); 10 lbs $2.25, 100 lbs $20.00.

FESTUCA RUBRA. (Red, or Creeping Fescue.)

This is a creeping rooted species of Fescue. On account of its creeping roots, forms a compact and durable turf, especially valuable for binding loose soils and for gravelly banks and dry slopes. An excellent bottom grass for pastures and especially for those which are quite shaded. For a lawn grass, is very good, especially for shaded spots. Sow 30 lbs. to the acre; 14 lbs. to the bushel. Lb., 30c (by mail, 38c); 10 lbs., $2.50; 100 lbs., $22.00.

FESTUCA TENUIFOLIA (Slender Fescue.)

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Good for edgings. Sow 30 lbs to the acre; 22 lbs. to the bushel. Lb. 40c, (by mail 48c); 10 lbs. $3.75, 100 lbs $35.00.

JOHNSON GRASS (Andropogon Halepensis.)

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. It is very difficult to eradicate on account of its powerful and rapidly spreading roots, and should be used only on permanent pastures or meadows, 25 lbs. to the bushel. Lb 20c, (by mail 28c), 10 lbs $1.50, 100 lbs $13.00.

LOLIUM ITALICUM. (Italian Rye Grass.)

Called a perennial but rarely lasts for two years. Likes a rich, moist, loamy soil where the grass does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Withstands extremes of temperature and remains green throughout the Winter. Valuable in lawn grass mixtures demanding immediate effect. Eighteen lbs. to the bu. Lb., 20c (by mail, 28c); 10 lbs., $1.00; 100 lbs., $8.00.

TIMOTHY (Phleum Pratense.)

The most popular of all grasses for hay and the standard to which all other hay is compared. It is a perennial, doing best on a moist, tenacious, rich soil. On light soils the yield is generally scant. The best results are had by sowing Timothy with a mixture of Red Top and Clover. Timothy does not make a desirable pasture as there is little growth after being cut and tramping of stock soon destroys it. Hay should be cut just when it has stopped flowering. Quantity of seed per acre varies with the character of the soil. On heavy soils sow one-third to one-half bushel per acre, on light soils less.

Our choice (V) Brand is clean, bright and of high germination. Market varies: 45 lbs. to the bushel. Present price. January, Lb 10c, (by mail 18c), 10 lbs 80c, 100 lbs $5.25. Grain bags 22c extra.

TIMOTHY (Phleum Pratense.)

LOLIUM PERENNE. (English or Perennial Rye Grass.

The hay grass of England where its position is the same as Timothy in the United States. Also does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow 50 to 60 lbs. to the acre.

Perennial Rye Grass—Extra Heavy Seed (30 lbs. to the bu.) Lb., 20c (by mail, 28c); 10 lbs., $1.50; 100 lbs., $10.00.

Perennial Rye Grass—Standard Weight (24 lbs. to the bu.). Lb., 12c (by mail, 20c); 10 lbs., $1.00; 100 lbs., $8.00.

POA TRIVALIS (Rough Stalked Meadow Grass.)

A perennial species closely related to Kentucky Blue Grass. Does best in moist cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow about 15 to 20 lbs. to the acre, 14 lbs. to the bushel. Lb., 50c (by mail 58c); 10 lbs., $4.50, 100 lbs $40.00.

POA NEMORALIS (Wood Meadow Grass.)

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. 14 lbs. to the bushel. Lb. 40c, (by mail 48c), 10 lbs $3.75, 100 lbs $35.00.

Vaughan's Hay and Pasture Special Grass Mixtures.

OUR customers have been quick to appreciate the value of these special mixtures in producing a heavier, thicker and longer continued growth than when one or two grasses only are used. The use of such mixtures is sure to become universal. For other conditions or soils not stated below, write us.

Every sample of grass in each mixture is of the choicest recleaned quality. The following are the leaders:

THE AMOUNT OF SEED

necessary to sow an acre largely depends on the quality of the land; the poorer the soil the larger the quantity required. A fair average is from 35 to 40 pounds to the acre. The thicker seeds are sown, the sooner will a fine close turf be obtained.

VAUGHAN'S MEADOW MIXTURES.

No. 1. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This mixture is composed of the following grasses and clovers, blended in the proper proportions:

Fancy Red Top.	Orchard Grass.	Perennial Rye Grass.
Meadow Foxtail.	Hard Fescue.	Timothy.
Tall Meadow Oat Grass.	Sheep's Fescue.	Red Clover.
		Alsike Clover.

Price 10 lbs $1.50, 35 lbs (about enough for one acre) $4.25, 100 lbs $12.00, 1000 lbs $110.00.

No. 2. FOR HIGH AND DRY LAND.

This mixture is composed of the following grasses and clovers:

Fancy Red Top.	Hard Fescue.	Rough-Stalk Meadow Grass.
Tall Meadow Oat Grass.	Sheep's Fescue.	
Crested Dog's Tail.	Timothy.	Red Clover.
Orchard Grass.		White Clover.

Price 10 lbs $1.75, 35 lbs (about enough for one acre) $5.50, 100 lbs $15.00, 1000 lbs $140.00.

VAUGHAN'S PASTURE MIXTURE.

No. 3. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.

This mixture contains some of each of the following, properly proportioned.

Tall Meadow Oat Grass.	Sheep's Fescue.	Kentucky Blue Grass.
Red Top.	Hard Fescue.	Timothy.
Orchard Grass.	Perennial Rye Grass.	Red Clover.
	Meadow Foxtail.	White Clover.

Price 10 lbs $1.75, 35 lbs (about enough for one acre) $5.50. 100 lbs $15.00; 1000 lbs $140.00.

No. 4. ON DRY LAND.

This mixture is composed of the following:

Creeping Bent Grass.	Orchard Grass.	Hard Fescue.
Tall Meadow Oat Grass.	Red Clover.	Sheep's Fescue.
Kentucky Blue Grass.	White Clover.	Timothy.
		Perennial Rye Grass.

Price 10 lbs $1.85, 35 lbs $5.75, 100 lbs 15.00.

No. 5. ON WET LAND.

This mixture contains:

Orchard Grass.	Kentucky Blue Grass.	Timothy.
Fancy Red Top.	Alsike Clover.	Rough-Stalk Meadow Grass.
Meadow Fescue.	White Clover.	
Perennial Rye Grass.	Meadow Foxtail.	

Price 10 lbs $1.75, 35 lbs $5.50, 100 lbs 15.00.

ALFALFA, CLOVERS, LEGUMINOUS CROPS

PRICES Clover and Alfalfa prices often vary greatly from week to week according to market. The prices below represent fair market values when this book is printed and are subject to change. Purchasers of large quantities should write for latest prices.
Grain bags holding 2 bushels, 20c each extra.

ALFALFA OR LUCERNE

Alfalfa, once established is a crop so profitable that every farmer may well take great care to get a stand. Much has been published about its high feeding, fertilizing and wonderful yield possibilities. In Eastern and North Central States there have been failures to make a stand of Alfalfa but as knowledge of its needs increase less trouble will be experienced and a few years will show a marked increase in Alfalfa acreage.

Methods of planting vary—In Eastern States sowing in spring has not generally been successful, as weeds win the race and spoil the stand. The following method has, in most cases been successful. Thoroughly manure the field to be sown in winter or early spring, harrow it with a disc at regular intervals, to keep down weeds, and keep ground in condition. Thoroughly cultivate and harrow about end of July, an application of lime being desirable, then broadcast seed, 20 lbs. to acre, harrow in one inch; do not sow on wet, acid or poor soil.

We offer American grown seed, raised in the Northwest and West on non-irrigated land. It is as free as possible from noxious weeds. Purchasers of Alfalfa should examine their seed carefully themselves or submit samples to authorities like their State Experiment Stations, or better, the Seed Laboratory at Washington, for analysis.

1 lb 30c (by mail 38c), 10 lbs $2.50, 100 lbs $20.00.

TURKESTAN ALFALFA

Seed imported from Asia. It is generally regarded as more hardy than American seed. Uniform hardy seed is hard to obtain as there is a great variation in climate in Turkestan. Small plantings only recommended. **1 lb 30c (by mail 38c), 10 lbs $2.25, 100 lbs $18.00.**

FANCY MEDIUM RED CLOVER

Clover seed this year is very high, and good qualities are scarce, due to the long rainy summer. Much seed is colored, weedy and of poor germination. Sow the cleanest, highest germination seed you can find. If unable to determine yourself what is good, send samples of what you are offered to your State Experiment Station, or the United States Department of Agriculture, Seed Laboratory, at Washington for analysis. Our seed is the purest and highest high testing seed we can buy and we are at all times willing to submit samples from identical lots of seed. Sow 8 to 10 pounds to the acre.

Price January 20th, 1 lb 30c (by mail 38c), 10 lbs $2.75, bu $14.50, 100 lbs $23.50. Choice grades for less money. Write for samples.

MAMMOTH RED CLOVER, FANCY SEED

Grows larger than the medium, does well on light thin lands. Price January 20th, always subject to market changes.

1 lb 30c (by mail 38c), 10 lbs $2.75, bu $14.50, 100 lbs $23.50.

ALSIKE OR HYBRID CLOVER

For wet, cold or stiff soils. Seed is small and plants a wider area than Medium or Mammoth. Sow 5 to 6 lbs. to the acre.

Vaughan's (V) Brand, 1 lb 30c (by mail 38c), 10 lbs $2.75, bu (60 lbs) $15.50, 100 lbs $25.00.

WHITE CLOVER

Mixed with other grasses is very desirable, on account of its creeping stems, for lawn purposes, a binder; and of considerable value for permanent pastures. Crop short.

Extra fancy seed, 1 lb 50c (by mail 58c), 10 lbs $4.75, bu (60 lbs) $27.50, 100 lbs $45.00.

Choice seed, clean, but not as bright as above, 1 lb 45c (by mail 53c), 10 lbs $4.25, bu (60 lbs) $24.50, 100 lbs $40.00.

CRIMSON CLOVER

Annual crop much used in the East and South for soiling or pasture. It is being tried in the North.

1 lb 20c (by mail 28c), 10 lbs $1.50, bu (60 lbs) $6.50, 100 lbs $10.00.

BOKHARA OR SWEET CLOVER

Used for soiling. Also valuable for planting near bees.

Lb 30c (by mail 38c), 10 lbs $2.50.

WINTER VETCH, Vicia Villosa

The Winter Cover Crop. Also called Sand or Hairy Vetch. This is a hardy legume sown in the Northern States in the fall months; growing well that season, and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a winter cover crop, it prevents washing or leaching of soil during the winter, and at the same time being a nitrogen gatherer enriches the soil. Vetch also furnishes a very valuable hay or pasture. Drill for cover crop 10 to 20 lbs. per acre. For the hay use 1 bushel.

Price, 1 lb 30c, postpaid. Bu (60 lbs) $7.35, 100 lbs $12.00. Write for latest prices in fall. We are headquarters on the seed.

SPRING VETCH or TARES (Vicia Sativa—Oregon Vetch) Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats, for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas. **Per qt 20c, pk 85c, bu $3.00. Bags 20c each extra.**

CANADA FIELD PEAS Very valuable in the Northern States for cattle feeding. Excellent for horses and pigs when sown with oats. With the present Season's high prices for oats, farmers will find it very profitable to sow these peas with oats for feed. We have a splendid grade of Northern grown fancy seed. Sow broadcast and harrow in at the rate of 2 bushels per acre, if sown with oats use one bushel. **Present price (market fluctuates), bu $2.60, 2 bu $5.00, 10 bu $24.00, includes bags.** Write for prices on larger lots.

COW PEAS—Great Soil Improver The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay. For those in the North who have not had the best success with this plant, a warm sandy soil will give decided advantage. Where never grown before drilling in and cultivating at first, as for field beans, is the best way to start.

NORTHERN GROWN COW PEA Michigan Favorite A true early type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin. **Pk $1.00, bu $3.50.**

SOUTHERN BLACK EYE Pk 90c, bu $3.25.

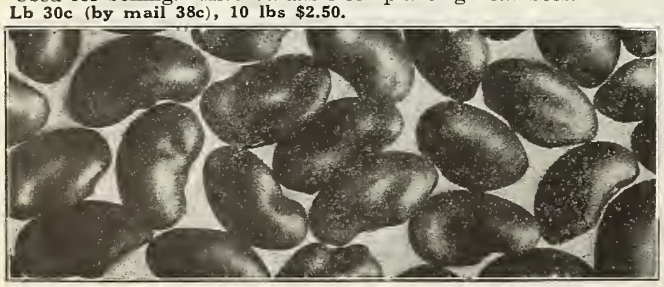
WHIP-POOR-WILL Pk 80c, bu $3.00.
Postpaid price all Cow Peas, **35c per quart.**
Write for latest market price on quantity of any of the above.

SOJA OR SOY BEANS

A valuable legume somewhat on the order of cow peas, is coming more and more into use. We call special attention to our Northern grown seed which we offer this year.

NORTHERN GROWN Ito San. Black Beauty. On account of poor fall weather, very scarce. Write for prices.

SOUTHERN GROWN SOY BEANS Mammoth Yellow, ½ pk 45c, pk 75c, bu $2.75.



Alfalfa Seed under the microscope, showing difference between clean American seed and foul imported seed.

Vaughan's Farm Seed Department

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of three standard varieties and such new things as have been thoroughly tried and proven. "Miracle grains and Million Dollar" grasses are not to be found in our catalog, at least not under those names. Due to the location of our two stores we are in constant touch with the leading markets and conditions, our favorable freight rates, less than car, and the best shipping service in the United States, we are in a position to serve our customers as is no other house.

Samples—Most of our seeds are grown especially for us. All of our seeds are excellent samples, carefully recleaned and were grown under our direct supervision from thoroughly reliable sources. Samples on request.

Prices—The market on this class of seeds is changing constantly and prices given below represent values at the date this catalog went to press. They are made subject to market changes. When purchasing in quantity, write or wire us for our latest prices. Quality considered, we can meet any competition.

SEED BARLEY

ODERBRUCKER BARLEY (Wisconsin No. 55) A heavy yielding and plump six rowed variety. Introduced in 1906 by the Wisconsin Agricultural Experiment Station. Particular attention has been given in recent years to the breeding of this grain. A large percentage of the Barley acreage in Wisconsin is now of this grain. Barley is a crop of first importance in Wisconsin, and a variety which has met the reception Oderbrucker has in the Badger State, must have good qualities. Compared to Manshury, Oderbrucker has a stiffer straw, higher protein content and being a more vigorous grower is a better rust resister, average yield of five to ten bushels more per acre than other six row sorts were reported on a series of tests. High protein content makes Oderbrucker of exceptional value for both feeding and malting. Ours is an excellent sample Wisconsin grown, produced from seed secured from the Wisconsin Agricultural Experiment Station.

Price pk 50c, bu $1.65, 10 bu $14.00, bags included.

WISCONSIN PEDIGREE BARLEY (No. 5)

This Barley has won many State and National Championships as the best 6 rowed variety. Prof. Moore of the Wisconsin Experiment Station developed this from the famous Oderbrucker strain after many years breeding and testing. By many trials throughout the middle western states Wisconsin Pedigree has proved a greater yielder than all others. It is tall, growing with plump grain, very stiff straw and large well filled heads. Selected on account of yield and also for malting and feeding qualities.

Price, pk 50c, bu $1.75, 10 bu $15.00, bags included.

MANSHURY BARLEY This is a standard six rowed Barley and is generally recognized as the most reliable yielding sort under all conditions. It is an early sort with good stiff straw, bearing long plump heads. The grain is large and has no superior for malting purposes. Our seed is very good this year, clean, bright and a heavy sample of the improved strain.

Price, pk 50c, bu $1.60, 10 bu $14.00, bags included.

SUCCESS OR BEARDLESS This is earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats and is in stock feeding of much more value than common barley as it may be fed without danger of injury to the animals. The yield compares favorably with the bearded varieties.

Price, pk 60c, bu $1.85, 10 bu $18.00, bags included.

WHITE HULLESS This variety is strictly a feeding sort. It has a grain like that of wheat, with no beards or hulls. In feeding value it is almost equal to wheat and the yield is nearly twice as large. In the Northern States where corn does not mature a crop, White Hulless Barley is extremely valuable as it produces a good quantity of feed and is very early. As a dry feed it has no superior. The straw is heavy with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type.

Price, pk 60c, bu $1.90, 10 bu $18.00, bags included.

SWEDISH SELECT OATS

SEED OATS

Note the Oat prices quoted here include burlap bags; if wanted in grain bags, add 22c for each 2½ bushel order

SWEDISH SELECT (The Best Early Oats)

Introduced a few years ago by the U. S. Department of Agriculture, and today the most largely planted of all varieties in the Northern Central States. Briefly described the Oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land.

Price, pk 35c, bu $1.10, 10 bu at $1.00 per bu, 2½ bu bags included.

While the Oat crop was a good one the past season, on account of rain damage we have had to go to the far north and Canada for our good samples. The better quality will be found well worth the additional cost. Write for sample.

EXTRA HEAVY PEDIGREE SWEDISH OATS — IMPORTED

For twenty-five years the Swedish Society for the improvement of seeds at Svalof, Sweden, with government aid, has been working on the improvement of their seed grains. Some truly wonderful results have been accomplished and the methods employed at Svalof are recognized and approved by the highest plant breeding authorities. Some years ago our firm imported a few lots of their grains to try them out in America. We offered last year "Victory Oats" of our own growing in America and their sale and the satisfaction which they gave has induced us this year to offer two varieties of direct importation. The samples will be found better than 40 lbs. weight per bushel, free from impurities and of high germination. Sow them on light land the first year.

VICTORY OATS In our trials this gave us best results. Hvitling was best last year, the difference in seasons being the cause, with us Victory was the earlier in maturing. The grain is of medium size, white, broad and nearly beardless. The straw is very stiff, firm and nearly white when ripening. In Sweden this variety is recommended on clayey and humid soils, but our experience with heavy imported oats is that the lighter soils are necessary the first year to prevent lodging.

HVITLING OATS The Swedish Society for Seed Improvement recommends this sort for light or early soils, the grain is larger than Victory, very broad, plump, thin hulled and pearly white, straw medium height and strong, medium early in season, abroad much preferred in the manufacture of oatmeal on account of this grain.

Price, either variety, pk 65c, bu $2.25, 2 bu at $2.20, 10 bu at $2.15, lb 25c postpaid.

Vaughan's Pedigree Seed Corns will be found listed on pages 146, 147 and 148. A suitable variety for every corn planter no matter where located. Our corn is grown by experts in those sections best suited for the different varieties.

White Tartar Oats

SEED OATS

Note the Oat prices quoted here include Burlap bags; if wanted in grain bags, add 22c for each 2½ bushel order.

WHITE TARTAR (Long's)

This early variety recently introduced in the Eastern States where it has made an enviable record has also done remarkably well in the West. On our own farms it has outyielded for two successive seasons both the Swedish and Lincoln varieties. It is a heavy oat with long stout straw which stands up well without lodging. The heads are large; the grains thick and heavy with a thin hull. We have a clean, slightly colored, heavy lot of seed.

Price, pk 35c, bu $1.00, 2½ bu $2.40, 10 bu $9.00, burlap bags free.

LINCOLN

One of the most popular Oats in the great grain sections of Wisconsin and Minnesota. It is a very heavy yielder. Growth is strong; season comparatively early and a good rust resister. The grain has a thin hull, heavy meat and soft rib, making it especially valuable for milling into oatmeal as well as feeding. We have heavy Northern grown recleaned seed.

Price, pk 35c, bu $1.10, 10 bu lots at 95c per bu, 2½ bu bags included.

KHERSON OR SIXTY DAY OATS

The most popular new Oat for rich prairie soils. A very early variety and produces large yields. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow in color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color which injures its value to some extent for market purposes.

Price, pk 35c, bu $1.05, 10 bu lots at 90c per bu, 2½ bu bags included.

BLACK TARTARIAN

The darkest of the black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Canadian Grown Seed.

Price, pk 40c, bu $1.35, 3 bu in grain bags $3.75, bags included.

AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. One pound to the acre. Sow in garden bed, and transplant 7 feet apart.

Price, 1 oz 10c, ¼ lb 30c, lb $1.00, postpaid.

WINTER TURF

Valuable for winter grazing and grain in the South. Its turfing and stooling qualities are remarkable, even when thinly sown soon spreads and covers the ground. Sow ½ to 2 bushels per acre.

Price, lb 30c, 3 lbs 65c, postpaid. Not prepaid, pk 35c, bu $1.35.

BUCKWHEAT

Market price changes Write for quantity prices

Buckwheat is mostly used for filling in fields remaining unplanted after the middle of June. It is well to bear in mind that on worn-out soils a plowed under buckwheat field is a great soil fertilizer and improver. Sow 25 lbs. per acre.

JAPANESE A popular and standard sort. Very large grains of dark brown color. Early and heavy yielding. Choice recleaned seed.

Pk 45c, bu (48 lbs) $1.30, 2 bu or over $1.20 per bu, bags included.

SILVER HULL A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flour it produces. Choice seed.

Pk 45c, bu (48 lbs.) $1.30, 2 bu or over $1.20 per bu, bags included.

Illinois Grown BROOM CORN Far superior to South-Western

IMPROVED EVERGREEN The most popular variety in the Western broom corn growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre.

Price, lb 25c, postpaid. By freight or express, 10 lbs 75c, 50 lbs $3.25, 100 lbs $6.00.

OKLAHOMA DWARF An extra early sort. Average height about 5 feet.

Price, 10 lbs 75c, 50 lbs $4.00, 100 lbs $7.50.

BIRD SEED

Prices do not include postage

We have facilities for supplying **Fancy Clean Bird Seeds** and Bird Foods; the best only, recleaned and dust blown out. The highest grade seed only, of every kind, is used in Vaughan's Mixture. These prices are by freight or express. If wanted by mail add 10c per lb.

BIRD SEED, VAUGHAN'S MIXED. Lb 10c, 5 lbs 40c, 10 lbs 75c.
BLUE MAW (Poppy). Per lb 25c, 5 lbs $1.10.
CANARY SEED. Per lb 10c, 5 lbs 40c, 10 lbs 75c.
CUTTLEFISH BONE. Per lb 40c.
HEMP. Per lb 10c, 5 lbs 40c, 10 lbs 70c.
LETTUCE. Per ¼ lb 10c, lb 25c, 5 lbs $1.00.
MILLET, RECLEANED. Per lb 6c, 10 lbs 50c.
MOCKING BIRD FOOD. Per lb tin 35c.
RAPE. Per lb 10c, 5 lbs 45c, 10 lbs 80c.
SUNFLOWER. Per lb 10c, 5 lbs 40c, 10 lbs 75c.

Located at Chicago, a great center for Grass Seed, we are able to select the choicest grades of fancy, recleaned seed and at the best market values.

CHUFAS, or EARTH ALMONDS

Used to fatten hogs. Nuts grow under ground very near surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 ft. apart, and 8 to 10 inches apart in row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre.

Pkt 10c, lb 30c, postpaid. By express, lb 20c, 10 lbs $1.50, 100 lbs $12.00.

COTTON 25 lbs. per acre

MEDIUM BOLL We have fine seed of this type of cotton. One of the best for the South Atlantic region.

Price, lb 15c, postpaid. By express, pk 60c, bu (30 lbs) $2.00.

LARGE BOLL Selected Georgia Seed.

Lb 15c postpaid; pk 65c, bu (30 lbs) $1.60.

FLAX SEED

Very profitable crop on new land. Sow early, after danger of frost is over. To raise seed, sow ½ bushel per acre; for fiber, one bushel.

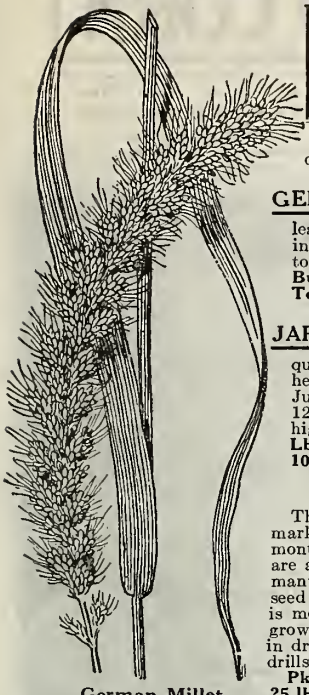
PRIMOST FLAX (Minn. No. 25) Improved, much superior to common flax, recently introduced by the Minnesota Experiment Station. Numerous lists throughout the Northeast have shown a substantial increase in yield, where Primost was planted, over yields obtained from other varieties. In season this variety is somewhat earlier than common Flax. We offer Choice Dakota grown, re-cleaned seed.

Price, pk 75c, bu $3.00, bags, included.

VAUGHAN'S FARM SEED DEPARTMENT—Continued

MILLETS Fancy Recleaned

Write us for market prices and samples on large lots. The market varies continually. Prices include bags.


German Millet

These prices are at Chicago, most Millet seed being grown in the west. If ordered from our New York store, add one-half cent per pound to these prices.

GERMAN OR GOLDEN Planted on good land produces a large crop of hay forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bu., 50 lbs.) Sow ½ bushel to the acre. Values constantly changing. Write for prices.
Bu $1.35, 100 lbs $2.50, bags included.
Tennesssee Grown, Extra Fancy, bu $1.85, 100 lbs $3.50.

JAPANESE MILLET Entirely distinct. It grows 6 ft., yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, broadcast; at the rate of 15 lbs., per acre; but it is better to sow it in 12 to 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds.
Lb 15c, postpaid. By freight or express, 10 lbs 60c, 50 lbs $1.85, 100 lbs $3.50.

DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the Rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. True Dwarf Essex Rape, our own importation.
Pkt 10c, ¼ lb 15c, lb 25c, postpaid. By freight or express, 10 lbs 90c, 25 lbs $1.85, 50 lbs $3.25, 100 lbs $6.00, bags included.

HUNGARIAN GRASS Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be sown as late as July. (Bu. 48 lbs.) Sow ½ bushel to the acre. Subject to market changes. Write for latest prices.
Bu $1.30, 100 lbs $2.35, bags included.

PEARL OR CAT-TAIL MILLET No other plant makes so much forage. Three successive cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre.
¼ lb 10c, lb 25c, postpaid. By express, lb 15c, 10 lbs 85c, 100 lbs $7.00, bags included.

Dwarf Essex Rape

WHEATS—Spring

FANCY NORTHERN SEED. Subject to market fluctuations. Write for latest prices. 2 bu grain bags 20c each.

BLUE STEM A heavy yielding variety, very popular in the Northwest. Heads are large and well filled. Plants stool freely. Our seed is carefully selected.
Price, pk 50c, bu $1.65, 5 bu $7.75.

MACARONI OR DURUM We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts.
Price, pk 45c, bu $1.50, 5 bu $7.00.

SPRING EMMER

Incorrectly called Speltz.

A grain especially suited for dry lands. Being semi-hardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley, and it also yields considerably better. The feeding value is high.
Lb 15c, 3 lbs 40c, postpaid; bu 40 lbs $1.10, 5 bus at 95c per bu, bags included.

SPRING RYE A good catch crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye.
Price, pk 50c, bu $1.40, bags included.

GIANT SPURRY An annual plant extensively cultivated in Europe as a Winter pasture for cattle and sheep; grows well on poor, dry, sandy soil; an excellent fertilizer for light soil and valuable for forage. Sow 12 lbs. per acre.
Price per lb 25c, 3 lbs 65c, postpaid; express, 5 lbs 65c, 10 lbs $1.00.

SASKATCHEWAN FIFE A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat.
Price, pk 50c, bu $1.65, 5 bu $7.75.

FARM BOOKS

By Mail, Postpaid.
See also List of Rural Books, page 155.

FARM APPLIANCES. Illustrated. Very valuable, cloth..... **$0.50**
FARM DRAINAGE. French's. Cloth..... **1.00**
FARM GARDENING AND SEED GROWING. Brill. Cloth..... **1.00**
FERTILITY, THE, OF THE LAND. By I. S. Roberts. Cloth; 415 pages..... **1.25**
FERTILIZERS. By Prof. E. B. Voorhees. Cloth; 335 pages..... **1.25**

PEANUTS

SPANISH The earliest variety grown; pods are small, but remarkably solid and well filled. Interesting for children. Sow in drills 3 feet apart, placing the nuts 8 to 10 inches apart to allow for the bushy habit of the plants.
Pkt 10c, ¼ lb 12c, lb 20c, postpaid. By express, lb 20c, 5 lbs 75c.

MAMMOTH VIRGINIA The most profitable variety to grow as a market crop, though not so early as Spanish; more easily cultivated; very erect stems and upright foliage with large pods and kernels. Sow in drills 4 feet apart, placing the nuts 6 inches apart.
Pkt 10c, ½ lb 20c, lb 30c, postpaid. By express, lb 20c, 5 lbs 75c.

JUMBO OR NEW ORLEANS SPECIAL This is the giant of the lower Mississippi Valley; surprises everybody. **Pkt 10c, ½ lb 25c, postpaid.**

MAMMOTH RUSSIAN SUNFLOWER

The Giant of all Sunflowers

This is the best variety for the farmer to grow. It reaches double the size of the common sort and yields twice as large a crop of seed. The seed is much used for poultry and parrot food and has a high feeding value. The leaves of the plant make a good fodder for all kinds of stock. Besides its value for poultry, the seed can also be fed to the horses and yields also a high quality oil.
Oz 5c, lb 10c, postpaid 20c. By express or freight, 10 lbs 80c, 25 lbs $1.75, 100 lbs $6.00.

TEOSINTE A valuable continuous cutting forage plant for Southern and Southwestern states, furnishing a most nutritious food green or dry for horses and cattle. It resembles Indian corn, the leaves being larger and the sap sweeter. Sow in May or June in drills 3½ to 4 feet; 2 to 3 lbs. per acre.
Pkt 5c, oz 15c, ¼ lb 40c, lb $1.35, postpaid.

Vaughan's Pedigree Seed Corn. See pages 146, 147 and 148, for a complete list of the best varieties particularly suited to each corn growing locality.

Little Known Nitrogen Gathering Crops

The planting of Leguminous crops, the air nitrogen gatherers, is the cheapest manner of adding the highest priced and most valuable fertilizer, nitrogen.

NEW VELVET BEAN A very heavy yielding Legume belonging to the Soja and Cow Pea class. The most rampant growing of all these sorts. Very popular in the South—and of value in the North for a cover crop.
Price, 3 oz pkt 10c, ½ lb 20c, lb 30c, postpaid. By freight or express, ½ pk 60c, pk $1.15, bu $4.00, bags included.

GIANT BEGGAR WEED (Florida Forage Plant.) An upright growing Legume. A fine fodder plant which reaches immense size, also good for plowing under light soils. Cut for hay when first blooms appear. Plant 10 lbs. per acre.
Pkt 10c, ¼ lb 25c, lb 80c, postpaid. By freight or express, 5 lbs $3.00, 10 lbs $5.00.

VAUGHAN'S SEED POTATOES

Have a good reputation of over twenty-five years' standing.
True to Name. Grown only by experienced and careful men.
Hand Sorted. Free from scab, the prongy and small stock thrown out.
Grown in the Far North. In the Red River Valley of Dakota.
PRICES RIGHT—Our prices are low, quality considered.

FENUGREEK Annual. The seed is often sought by hustlers to give a temporary fire and vigor to their horses. Good for soiling.
Oz 10c, ¼ lb 15c, lb 30c, postpaid.

LENTILS A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups.
Lb 20c, postpaid. By express, 10 lbs $1.00.

LUPINS, YELLOW Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Good forage, green or as hay. Sow after frost; 90 lbs. per acre.
Lb 25c, postpaid. By freight or express, 10 lbs $1.10.

SAINFOIN, or ESPARSETTE An excellent perennial Fodder Plant, growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast, 12 to 15 lbs. in drills.
Lb 30c, postpaid. By freight or express, 10 lbs $1.50, 50 lbs $6.50, 100 lbs $12.00.

VAUGHAN'S PEDIGREE SEED CORN

A CORN GROWER In any Locality Will Find a Variety Suitable to His Needs

If ordered from New York, add 20c per bushel to these corn prices.

Vaughan's Pedigree Seed Corn is the cream of the product of the best seed corn growers, who specialize on particular varieties. The best Seed Corn of a certain variety must be obtained from the locality in which that variety does its best and to which it is particularly adapted. Our growers are recognized leaders in growing their respective varieties. They know all about the latest theories of Corn breeding and practice them.

We plainly state where each Corn has been grown, for it must be borne in mind, Seed Corn produces best planted under similar climate and soil conditions to which it was originally raised. Order Seed Corn early that you may test it for yourself.

REID'S YELLOW DENT
Northern Grown

This is the highest standard Yellow Dent Corn grown in Illinois. The true type of "Reid's" is at home in the Central Illinois Corn Belt, and is unexcelled. We have never dared sell the regular full sized type of "Reid's" North of Kankakee and LaSalle counties; while it really matures best south of that parallel we know some dealers who pick small ears from their crop grown further south and sell the same in Northern Illinois. Such are not honest seedsmen. We have secured a selection of Reid's Dent this season which has grown and matured in fine, dry condition within 50 miles of Chicago for three years and this we now offer for use in Cook County and westward as the finest, highest grade yellow Corn which can be safely planted this far north. **Shelled, ½ pk for 50c, pk 80c, bu $3.00. Selected ears, per bu crate $4.00.**

REID'S YELLOW DENT
(Standard Type)

Shelled and on ear. The great prize-winning Show Corn. Brought to Illinois in 1846 from Ohio. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is more accurately described as follows: Ear 9 to 10 inches long, 7 inches around, 18 to 24 rows with narrow space between rows; deep grains with small cob, well filled at butt and tip. We offer a very choice selection of seed grown from pedigree seed selections for years. It has won first prizes at Springfield State Fair and National Corn Show. **Price: ½ pk, 35c, pk 60c, bu $2.25, 4 bu $8.50, 10 bu lots $20.00. Postpaid, pkt 10c, pint 20c, qt 30c. Selected ears, bu crate $3.00, three for $8.50.**

SILVER MINE

One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Originated in Ford county, Illinois, and introduced in Iowa. Creamy white in color, cylindrical shape, tapering only a little at the tip; 18 to 20 rows; length, 9 inches; circumference, 7¼ inches; kernels rough and deep, a little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders. Shelled only—however, every ear selected and tipped and butted. **Pk 60c, bu $2.00, 4 bu $7.50. Postpaid, pkt 10c, pt 20c, qt 30c.**

BOONE COUNTY WHITE

The best type of White Dent for the Central Corn Belt States, such as Champaign, Decatur, Central Illinois and Central Iowa sections. This corn has been bred for large ears and matures rather slowly, requiring about 120 days good corn weather. The ear tapers slightly, length 10 inches, circumference 7½ inches, 16 to 22 rows, medium space between, cob white, medium size. Our stock is a prize winning strain. Price, selected ears, **bu crate $3.00; Shelled, ½ pk 35c, pk 60c, bu $2.25, 4 bu lots $8.50. Postpaid, large pkt 10c, pt 20c, qt 30c.**

Cross Section—Reid's Yellow Dent Standard type and Northern Grown, showing differences in kernels and cob

10 Ears Northern Grown Reid's Yellow Dent, showing type

LEAMING IMPROVED

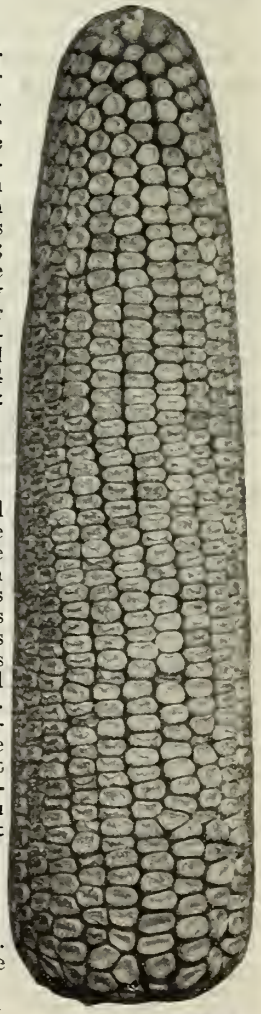
See illustration. Probably planted over a greater area of country than any other sort on account of its great adaptability. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; kernels smooth and firm on the cob; 18 to 20 rows, with medium space between; well filled and rounded tips and butts; kernels yellow, wedge shaped; cob red, of medium size. The stalks are of good size and in New York and New England used a great deal for ensilage. Our seed is grown from prize stock in the central corn belt. **Shelled, selected, tipped and butted, price, pk 60c, bu $2.00, 4 bu lots, $7.50. Postpaid, large pkt 10c, pt 20, qt 30c.**

GOLD MINE

A Yellow Dent similar in its general characteristics to the Silver Mine. Average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as carefully bred as some sorts; however, it has good points. A 110 day corn. Our seed is carefully selected, grown by a noted breeder in the West Central Corn Section, a specialist on this excellent variety. **Shelled, selected, tipped and butted, price. pk 55c, bu $2.00, 4 bu lots $7.50. Postpaid, pkt 10c, pt 20c, qt 30c.**

HICKORY KING

A fine sort for the Southern States. Has been bred for small cobs and large kernels. Northern Missouri Seed. **Shelled, pk 55c, bu $1.75, 4 bu $6.50. Postpaid, pkt 10c, pt 20c, qt 35c.**



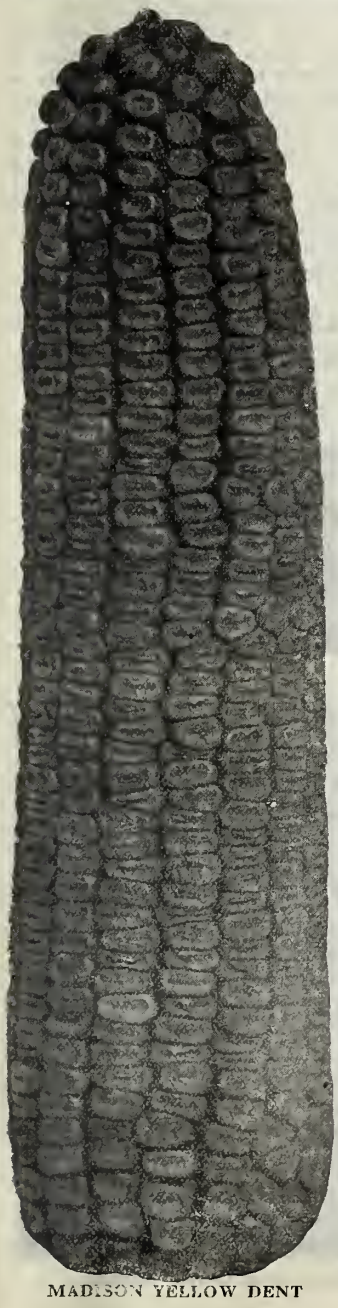
LEAMING IMPROVED

VAUGHAN'S NORTHERN GROWN EARLY SEED CORN

Field of Early Corn on the Vaughan Farm, Near Homewood, Ill.

Last season the shortage of good Seed Corn was the greatest ever known; all price records were broken; many growers were obliged to use seed brought from a distance of kinds much too late and too large for their own home locality. The result is that many crops are either too much mixed or are of unsuitable kinds from which to save seed for planting in 1913. Anticipating this result from the hap-hazard use of seeds picked up last year we not only reserved sufficient of our best stock seeds for the past seasons crops, but used especially early kinds so that we are prepared this spring with stocks of Seed Corn that is not only well dried, of high vitality, but is made largely of those medium and early types that insure safe crops. We test our seeds weekly in the early spring watching closely possible changes in vitality.

It is now universally recognized that the so-called 90-day or Early Corn grown in Southern localities require twenty or more additional days to mature in the North. Farmers plant seed corn grown over fifty miles south of their latitude at a great risk of a soft crop.



MADISON YELLOW DENT

MADISON YELLOW DENT

This Corn is, we believe, the best Yellow Dent Corn ever introduced for the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan. It grows to maturity in 100 to 105 days of ordinary Corn weather, and is a wonderful yielder. The ear is a little smaller than Reid's Yellow Dent, but resembles the latter variety otherwise. Ears 8½ inches long, 16 rowed, dark red cob. The kernels are deep, closely set together in even rows, with just space enough to permit drying, a very essential point in Northern Corn. Our Strain is grown on our own farms in Central Michigan and Northern Illinois, and under our direct supervision in the same localities. **Price, shelled from selected ears, ½ pk 50c, pk 80c, bu $3.00, 2 bu or over at $2.75. Selected ears, bu crate $4.00.**

NORTH STAR

This variety which has featured in our catalogue for more than 25 years we have occasionally lost our crop of, but good customers of ours in the vicinity of Baraboo, Wisconsin, have maintained a notable purity of selection and we renewed our planting stock last spring. The resulting crop on our own farms this autumn has proven very early, being dry and fit for seed purposes in September. This corn will mature as far north as Madison, Wisconsin. Sixteen rows, deep grain, small red cob, the most valuable Dent Corn suitable for Corn Belt in the latitude of Southern Minnesota and Middle Wisconsin. **Price, Shelled Corn, ½ pk 45c, pk 75c, bu $2.75. Selected ears, bu crate $4.00.**

PRIDE OF THE NORTH A standard Early Yellow Dent, and the most planted of all in Northern Illinois and Iowa. We offer Northern Iowa grown seed, which we find evener in type and earlier in season than a great deal of the Southern grown "Pride." The type varies, usually sixteen rows, tapering to the tip. **Our seed** is from selected ears, tipped and butted. **Price, shelled, pk 60c, bu $2.00, 2 bu $3.75. Postpaid, pkt 10c, pt 25c, qt 45c.**

MINNESOTA No. 13 or WISCONSIN No. 8 A heavy yielding, extremely Early Yellow Dent Corn. It matures in 90 days of corn weather. Stalks are quite tall and this variety furnishes a large amount of fodder. Grows to a height of 8 ft. on good soil. Ears medium size, 8 inches long, 16 rows, and taper toward the tip. The kernels show a good Dent type and are of fair depth. It is not as well bred as yet as Madison Yellow Dent. It is however, about 10 days earlier. **Central Michigan Grown, shelled, from selected ears, ½ pk for 45c, pk 75c, bu $2.75.**

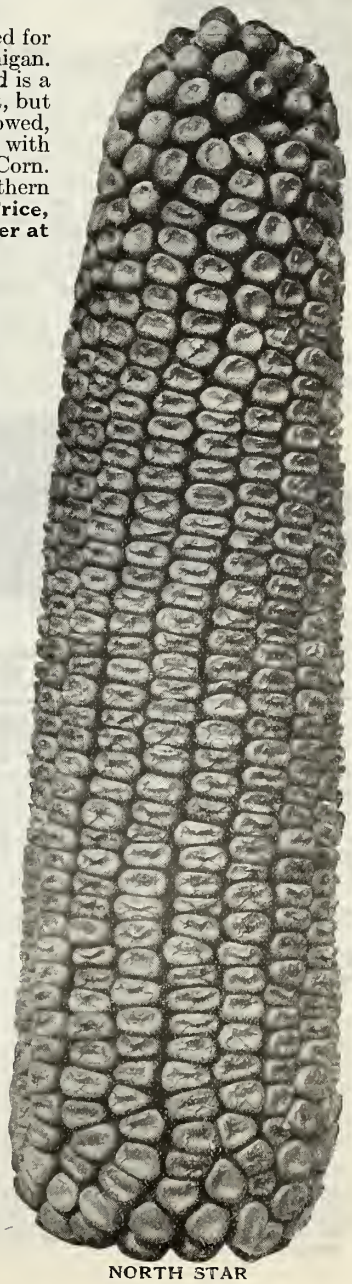
SILVER KING or WISCONSIN No. 7 Matures in 100 to 105 days. Introduced the last four years by Prof. Moore of the Wisconsin Experiment Station. Of good cylindrical shape. Ears 8 inches, usually 16-rowed. The kernels are deep set, just thick enough that rapid ripening is not checked. Excellent for Southern and Central Wisconsin. **Northern Illinois, shelled from selected ears, ½ pk 45c, pk 75c, bu $2.75. Postpaid, pkt 10c, pt 25c, qt 40c. On the ear, per bu crate $4.00.**

THE "CHAPMAN" CORN An early, pale yellow, deep grained, superior shelling, light-capped Dent corn, bred by the Chapman family, first in Northern Ohio, beginning in 1818, and after 1845 in Michigan, where its high reputation is well known. A certain maturing, high yielding corn for Northern Illinois, Indiana to Central Michigan and Wisconsin. Michigan seed from H. S. Chapman, Cassopolis. Similar in shape and size to Madison Yellow Dent. **Shelled, ½ pk 40c, pk 75c, bu $2.50, crates on ear bu $3.50.**

GOLDEN SURPRISE Remarkable for its small cob and high shelling qualities. Central Ohio seed. Recommended for localities south of line drawn from Cleveland to Peoria. **Price, ½ pk 35c, pk 60c, bu $2.00, 2 bu $3.75.**

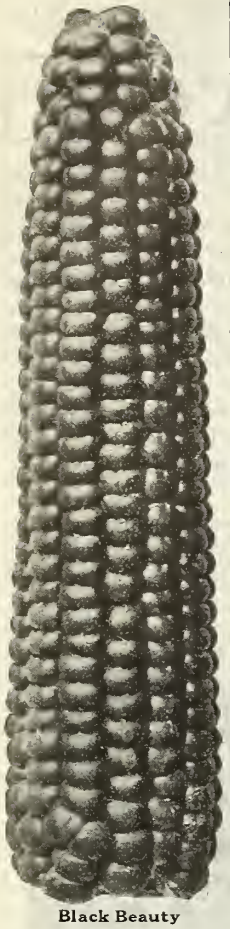
DAKOTA SUNSHINE DENT Matures in better than 90 day Ears 7 inches, quite hard, slightly dented and yellow, tinged with red in color. Good for late planting in central locations, and may be planted closer than later sorts. **Dakota-grown shelled, ½ pk 45c, pk 75c, bu $2.50.**

If ordered from New York, add 20c per bushel to these corn prices.



NORTH STAR

FLINT FODDER AND POP CORNS



Black Beauty Pop Corn

EXTRA EARLY FLINT VARIETIES

Add 20c per bu to these prices if ordered from New York

LONGFELLOW FLINT A beautiful eight rowed variety of the Canadian type. The ears are of great length, ten to fifteen inches, and in color a rich glossy yellow. The stalks grow tall. seven to seven and one-half feet, and the ears are borne about three feet from the ground. A favorite with chicken raisers in the middle corn belt. **Price shelled, ½ pk 35c, pk 65c, bu $2.25; large pkt 10c, pt 25c, qt 35c, postpaid.**

GIANT LONG FLINT A tawny and smoky white variety, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. The ears are of unusual length, twelve to fifteen inches, smooth and symmetrical. Stalks bear two to three ears. **Price shelled, ½ pk 35c, pk 60c, bu $2.00; large pkt 10c, pt 25c, qt 35c, postpaid.**

KING PHILLIP This is an extra early Red Flint sort. The ears are ten inches long and eight rowed. On poor land it does much better in yield than most other sorts, extremely hardy and of one the most reliable "Extra Earlies," ripening in eighty days. **Price shelled, ½ pk 35c, pk 60c, bu $2.00; large pkt 10c, pt 25c, qt 35c, postpaid.**

WILL JEHU Also known as North Dakota Yellow Flint. It is probably the earliest valuable yellow corn we have. The average height is five feet and the ears grow close to the ground. Ears eight inches. **Price shelled, ½ pk 65c, pk $1.25, bu $4.25. Pkt 10c, pt 30c, qt 50c, postpaid.**

RHODE ISLAND WHITE CAP FLINT This is the White Flint variety used in New England for hominy and hulled corn. For table quality, flavor and sweetness it is the best variety of Indian Corn. Its ample foliage makes it desirable for ensilage and fodder. **Price shelled, ½ pk 35c, pk 60c, bu $2.25. Pkt 10c, pt 25c, qt 35c postpaid.**

SMUT NOSE FLINT The great favorite in Michigan. It is a yellow flint blazed with red at each end of ear. The ears are ten inches long and large around, very vigorous in growth, producing a good amount of fodder. **Price shelled, ½ pk 35c, pk 60c, bu $2.40. Large pkt 10c, pt 25c, qt 35c postpaid.**

GOLDEN DEW DROP A handsome bright yellow. Eight rowed flint. Remarkable yielder with few suckers. Ears 9 inches, stalks grow 5½ ft. 90 days to maturity. **Price shelled, ½ pk 35c, pk 60c, bu $2.00. Large pkt 10c, pt 25c, qt 35c postpaid.**

POP CORN

Selected Ears For Seed

BLACK BEAUTY (New) An extra early variety which pops very large and is the most tender and crisp of all. Although the kernels are black, this color does not seem to show at all when popped, being then a pearly white. This new variety has been bred in Wisconsin and is extremely early, ripening so it may be popped the same season as grown, without kiln drying. **Pkt 10c, ½ lb 20c, lb 30c, postpaid. By express, lb 20c, 5 lbs 90c, 25 lbs $4.00.**

Price of any of the following kinds of Pop Corn, postpaid: Pkt 5c, ½ lb 12c, lb 20c. Not prepaid, lb 12c, 5 lbs 40c, 10 lbs 65c, 25 lbs $1.40, 100 lbs $5.00.

ILLINOIS SNOWBALL An improved variety, very prolific; a fine sort for home use.

WHITE RICE The most popular for home use. The grain is pointed, pops white, is full.

MAPLEDALE PROLIFIC A great yielder. It pops pure white.

QUEEN'S GOLDEN It pops perfectly white, and a single kernel will expand nearly one inch.

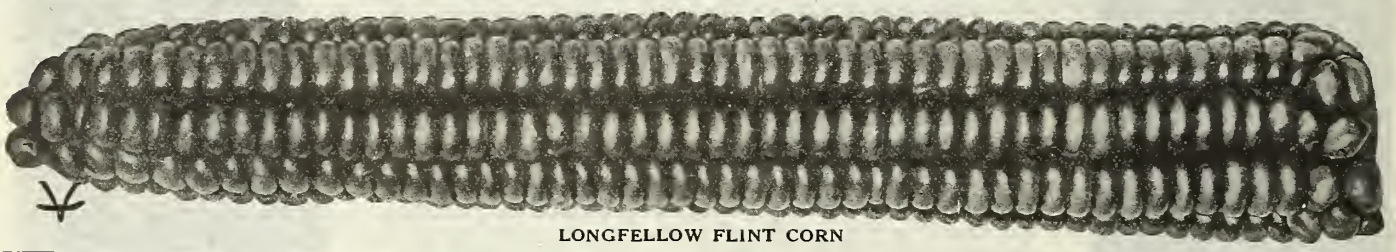
FODDER CORN The recent vast increase in planting corn for fodder has been mostly due to substitution of this crop when too late for other things. Results have clearly shown that fodder is a paying, necessary crop, especially in dairying. All the different types of corn are planted for fodder, practices varying in different localities. In Canada and New England a flint variety like Longfellow is most in use; farther south the Early Dents or Leaming, many wanting partly or wholly ripened ears; in the central belt southern grown ensilage corns; while sweet corn for dairying regions is used.

FODDER CORN Bags 25c each on Bushel Lots and Over.

"RED COB" ENSILAGE or FODDER This selection has great reputation. Has a deep red cob, strong leafy stalks and short joints. Adapted to all sections. **Pk 45c, bu $1.35; 5 bu $6.35.**

VIRGINIA MAMMOTH WHITE HORSE TOOTH Small stalks, vast quantity foliage, short joints, kernels large and white. **Pk 45c, bu $1.35, 5 bus $6.65.**

SWEET FODDER A great dairy feed. Nothing better for summer and fall green feed, or curing for winter, than sweet corn. **Pk 75c, bu $2.50, 2 bu $4.75.**



LONGFELLOW FLINT CORN

KAFFIR, MILO, CANE, Etc.

SUGAR CANE—Vaughan's Early Amber

The value of Sugar Cane as a green fodder crop is yearly being better appreciated by the dairy farmer. It is the best green food that can be grown for feeding cows, horses and young stock during dry spells. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre sown to this crop with a little more than $1.00 invested for seed. Sow 60 pounds to the acre.

We offer both northern and southern seed. Northern seed, **¼ lb 10c, lb 20c, postpaid; by freight or express, 10 lbs 50c, 50 lbs $2.25, 100 lbs $4.00.**

Southern seed (for fodder), **10 lbs 40c, 50 lbs. $1.60, 100 lbs $3.00.**

KAFFIR CORN One of the best forage plants. If the crop is wanted mainly for fodder, it is recommended to cut down the whole stalk when the first seed heads come into bloom. The second growth springing at once from the roots, will still mature (in climates similar to Central Kansas) a full crop of grain and a second full crop of forage by October 15. For grain sow in rows 3 feet apart, 5 lbs per acre. For fodder, sow three pecks broadcast. **Price per pkt 5c, lb 15c. 3 lbs 40c, postpaid. By freight or express, 10 lbs 30c, 50 lbs $1.25, 100 lbs $2.25, bags included.**

JERUSALEM CORN The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs. per acre. **Pkt 5c, ½ lb 15c, lb 25c prepaid. By freight or express, 10 lbs 80c, 50 lbs $2.75, 100 lbs $5.00 bags included.**

MILO MAIZE A variety of sorghum, non-saccharine, growing stalks 8 to 10 feet high. It bears dry weather and makes its crops where corn would wholly fail. Plant in 3-foot rows and cultivate as corn; 3 to 5 lbs per acre. **1 lb 20c, postpaid. By freight or express, 10 lbs 40c, 50 lbs $1.35, 100 lbs $2.50.**

Vaughan's Early Amber Cane Growing in Central Michigan

VAUGHAN'S HIGH-GRADE FERTILIZERS.

The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth.

It has been demonstrated that market-garden crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Any delay in the growth of a lettuce or radish causes that sharp and pungent flavor of the former and the bitterness and toughened fibre of the latter, beets become stringy, etc. Plant food of the right amount and kind controls the yield and quality of market-garden-products more than any other condition, and it is neither wise nor economical to depend on the natural condition of the soil or the application of stable manure only for profitable crops.

VAUGHAN'S HIGH-GRADE TRUCK AND FARM MANURE

This is our best brand of concentrated Manure, suitable for lawns and flowers as well as vegetables mentioned below. It is of exceptional value and will prove a money maker to every farmer or gardener that uses it.

To be used on	Rate per acre.
Essex Rape	200 to 500 lbs.
Asparagus	1000 lbs.
Beans	400 to 600 lbs.
Beet	500 to 1500 lbs.
Cabbage	400 to 1500 lbs.
Carrot	300 to 800 lbs.
Celery	600 to 800 lbs.
Cucumber	400 to 800 lbs.
Lettuce	500 to 1000 lbs.
Onion	500 to 1500 lbs.
Tomato	500 to 1000 lbs.
Strawberries	500 to 1000 lbs.

Price, 25 lbs 75c, 50 lbs $1.35, 100 lbs $2.60, 200 lbs $5.00, 500 lbs $11.75, 1000 lbs $22.50, 2000 lbs $44.00.

VAUGHAN'S "ROSE GROWER" BONE MEAL.

This is a special brand we have put up for our trade. Is is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia 4½ to 5½ per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. Price, 5 lbs., 25c; 10 lbs , 50c; 25 lbs., 75c; 50 lbs., $1.25; 100 lbs., $2.25; 200 lbs., $4.00; 500 lbs., $9.75; 1,000 lbs., $18.50; 2,000 lb., $36.00.

Quantity Required.—For permanent pasture and mowing lands ½ to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1,000 to 1,500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

REGULAR BONE MEAL. 5 lbs., 20c; 10 lbs.. 35c; 25 lbs., 60c; 50 lbs., $1.10; 100 lbs., $2.00; 200 lbs., $3.80; 500 lbs., $9.00; 1,000 lbs., $17.00; ton, $33.00.

TRUCK MANURE No. 2. "All Soluble." This brand has been prepared for such crops as require an extra quick, strong fertilizer; should be mixed well into the soil. Adapted for tobacco, hops, potatoes, flax, sugar beets, early cabbage, cauliflower, celery, fruits, especially strawberries, suitable for all soils (except sour). Quantity of pounds to be used per acre: Corn, 300 to 500; Clover, 200; Timothy, 200; Pasture, 200 to 600; Early Cabbage and Melons, 400 to 800; Peas, 400 to 800; Pumpkin and Squash, 300 to 600; Radish and Spinach, 500 to 1,000. Price, 25 lbs., 70c; 50 lbs., $1.25; 100 lbs., $2.25; 200 lbs., $4.00; 500 lbs., $9.50; 1,000 lbs., $18.00; 2,000 lbs., $35.00.

VAUGHAN'S MANURE FOR HOME GARDEN. This is suited for all kinds of flowers, vegetables and the lawn, being a high-grade complete fertilizer, just what is needed to make plants grow. Price, 5 lb. box, 30c; 10 lbs., 50c; 25 lb. bag, $1.00; 100 lbs., $3.00.

FRUIT AND ROOT CROP MANURE. For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre: Beet, 500 to 1500; Carrot, 300 to 800; Parsnip, 400 to 1,000; Potato, 500 to 1,000; Sage, 200 to 600; Salsify, 500 to 1,000; Turnip, 500 to 1,000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1000. Price, 25 lbs.. 65c; 50 lbs., $1.25; 100 lbs., $2.35; 200 lbs., $4.25; 500 lbs., $9.00 1,000 lbs., $17.25; 2,000 lbs , $33.50.

BONE AND BLOOD. For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hardwood ashes, and if so used it is especially adaptedto fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. Price, 25 lbs., 60c; 50 lbs., $1.00; 100 lbs., $1.85; 200 lbs., $3.25; 500 lbs., $8.75; 1000 lbs., $17.00; 2000 lbs, $33.00.

CLAY'S FERTILIZER. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil and as a top-dressing. Price, 7 lbs., 75c; 14 lbs., $1.25; 28 lbs., $2.50; 56 lbs., $4.00; 112 lbs., $7.00.

DRIED BLOOD. For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, mums, all kinds of pot plants. Price, F. O. B. Chicago; 5 lbs., 35c; 10 lbs., 60c; 25 lbs., $1.25; 50 lbs., $2.00; 100 lbs., $3.85; 200 lbs., $7.50; 500 lbs., $17.50.

HORN SHAVINGS. These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply food after the natural fertility of the soil is exhausted. Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.25; 100 lbs., $4.50.

KAINIT or German Potash Salt. This contains an average of 12 per cent. of actual potash. It should be applied a considerable time before the crop is planted in order that it may be well distributed. It is not advisable to put it in the hill or row immediately before planting. Mixed with Bone Meal it is a splendid fertilizer as a top-dressing for fruit trees and small fruits. Price, 10 lbs., 30c; 25 lbs., 50c; 100 lbs., $1.50; 500 lbs., $6.25; 1,000 lbs., $11.50.

GUANO. A standard Fertilizer. Price, 5 lbs., 35c; 10 lbs., 65c; 50 lbs., $2.60; 100 lbs., $4.50; Write for prices on larger lots—subject to market changes.

SCOTCH SOOT. (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. Price, 28 lbs., $1.50; 56 lbs., $2.50; 112 lbs., $4.00.

VAUGHAN'S CONCENTRATED PLANT FOOD.

A most useful Fertilizer for all kinds of plants raised in pots, It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months. 15c; 3 for 40c; Large package, containing sufficient plant food for one year, 25c; 3 for 65c; if by parcel post, postage extra; mailing weight, small 10 oz, large 17 oz. Directions in package.

BOWKER'S PLANT FOOD. First-class; Small pkg., 15c; large pkg., 25c; mailing weight, small 7 oz, large 15 oz.

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must in some way furnish the plants with Nitrogen. No matter what manure or fertilizer is used the Nitrogen must be converted into Nitrate before the plants can use it.

HOW TO USE NITRATE OF SODA.

Remove the lumps before using and break them up which can be done by pounding. Use as a top-dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.

For Asparagus, a top-dressing of 250 lbs. per acre just as soon as the first shoots make their appearance.

For Strawberries, a top-dressing of about 100 lbs. per acre after the plants have blossomed.

For the Home Garden apply as a solution one ounce to two gallons of water.

Price (subject to market changes), 5 lbs 35c, 10 lbs 60c, 25 lbs $1.35, 100 lbs., $4.00; original sack (220 lbs.) $8.25; 500 lbs., $18.00. Write for prices on larger quantities.

VAUGHAN'S SHEEP MANURE.

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 65c; 50 lbs.. $1.00; 100 lbs., $1.75; 500 lbs., $7.00; 1,000 lbs., $11.00; ton, $20.00.

MURIATE OF POTASH. A form of Potash Salts to be used with Bone Meal, Bone and Blood or farm manures on fruits, celery, asparagus, corn, oats, turnips, cucumbers, grapes, carrots, onions, peas, clover, and beans. Must not be used on hops, potatoes, tobacco, flax, sugar beets, cabbage or cauliflower. 50 to 400 lbs. per acre. Price, 5 lbs., 30c; 10 lbs., 50c; 25 lbs.,$1.00; 50 lbs., $1.85; 100 lbs., $3.50; 200 lbs., $6.50; 500 lbs., $15.75. Write for prices on ton lots.

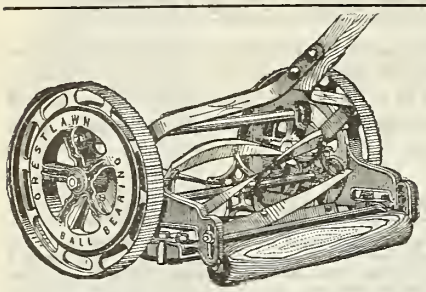
SULPHATE OF POTASH. A desirable form of Potash to be used on all crops, but especially on tobacco, hops, potatoes, flax, sugar beets, cabbage or cauliflower. Use 50 to 400 lbs. per acre. It is the best form for greenhouse use, and may be applied either broadcasted and mixed with the soil, or in solution in water. In re-potting or in shallow beds, use a tablespoonful to a bushel of the soil. In water use a tablespoonful in 12 quarts. Price, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., $1.10; 50 lbs., $2.00; 100 lbs., $3.75; 200 lbs., $7.00; 500 lbs., $16.50.

SULPHATE OF AMMONIA. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench, or a tablespoonful to a bushel of soil, or 3 gallons of water. Price, 1 lb., 25c; 5 lbs., 60c; 10 lbs., $1.10; 25 lbs., $1.75; 100 lbs., $6.50.

SHREDDED CATTLE MANURE. An efficient, high grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or be raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy and cleanly to handle as grain, being perfectly dry and can be stored anywhere until wanted for use. Price, f. o. b., Chicago: 100 lbs., $1.80; 500 lbs., $7.00; 1,000 lbs., $13.50; 2,000 lbs., $21.00.

REGARDING PRICES.—The above prices on Clay's Fertilizer, Nitrate of Soda, Horn Shavings, Scotch Soot, Guano and Vaughan's Manure for the Home Garden are f. o. b. New York or Chicago; all the other prices are f. o. b. Chicago; If to be shipped from New York, add at the rate of 50c. per 100 lbs., or $7.00 per ton on lots of 1,000 lbs. or over to the above prices.

VAUGHAN'S LAWN MOWERS, ROLLERS, SWEEPERS SCYTHES, LAWN BOOTS, ETC.



CRESTLAWN BALL BEARING

The Strongest and Easiest running lawn mower ever built. Extra bigb eleven-inch Ball Bearing drive wbeels and Antomatic interlocking frame that cannot be knocked or twisted out of adjustment. The ONLY mower in the world so constructed.

Revolving Cylinder has five Self-sbarpening steel blades and Self-adjusting Ball Bearings.

Recommended especially to owners of large lawns and parks where quality connts and first class, smootb work is desired. Recognized as the Highest Grade lawn mower in America. Absolntely guaranteed in every respect.

"Every bearing Ball Bearing."

14 in.	16 in.	18 in.	20 in.
$12.00	$13.00	$14.00	$15.00

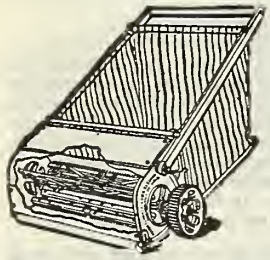
PHILADELPHIA GRASS COLLECTOR

Has a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering. **Price for High Wheel and Style K and the Vaughan Mower, 14 and 15 inch, $1.70; 16 and 17 inch, $1.80; 18 and 19 inch, $1.90; 20 and 21 inch, $2.00.**

SIMPLEX GRASS CATCHER

A Grass Catcher of real merit. Fits any mower made. Instantly attached or detached. Has galvanized iron bottom and never-rip canvas cloth connections. It keeps the lawn clean, and will last a lifetime. Admittedly the best on the market. No. 1 fits 14 and 16-in. mowers—**Price $1.50.** No. 2 fits 16 and 18-in. mowers—**Price $1.75.**

GEM LAWN SWEEPER

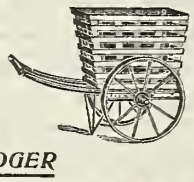


This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefit the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy-swinging hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. **Price, 24-inch wide, each, $16.00.**

Philadelphia Horse Lawn Sweeper

A revolving brush in front sweeps the sod clean and throws tbe sweepings backward into a large box in the rear. The box can be dumped without stopping. The only reliable borse macbine on tbe market. Sweeps 40 inches wide. **Price $72.50.**

LEAF RACK.



Very convenient for the cartage of leaves, cut grass from the lawn etc. Rack has an average width of 28 in. by 42 in., and is 21 in. deep. Leaf Rack with truck, 2½ in. tires. $13.00; without truck, $5.50.

GRASS EDGER

"The Planet Junior." Will do either straight or curved edging at a speed of a mile an hour. Price..... $5.00.

Capitol Lawn Trimmer and Edger

Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks. etc.; 4 steel blades, 6 inches wide. **Price each $6.00 complete.**

PHILADELPHIA LAWN MOWER

High Wheel (Steel)—Style A.

The King of High Wheel Mowers. Constructed of steel throughout, it is much lighter in weight than any Mower of its size, consequently it is lighter in draught and easier to push. Fitted with four cutting-blades and ten-inch drive wheels—does not readily get out of repair, and in this way makes up for the bigher cost by lower repair bills.

15 in.	17 in.	19 in.	21 in.
$10.25	$11.50	$12.75	$14.00

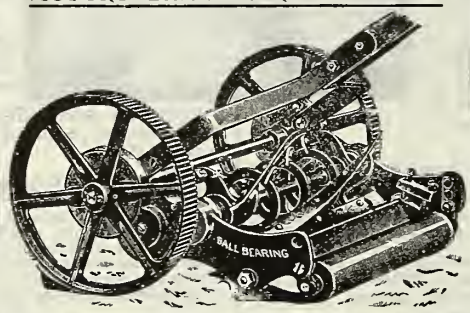
High Wheel—Style K.

For all-round general purposes this is one of the best style Mowers on the market. With its higb wheels it runs light, and five knives it cuts smooth and even, with the principles of construction so evenly balanced that it bas the greatest amount of durability.

14 in.	16 in.	18 in.	20 in.
$6.15	$6.80	$7.40	$8.00

Write for complete Philadelpbia Lawn Mower Catalog

VICTORY BALL-BEARING MOWER.



To best of our knowledge the lightest and easiest running Mower on the market. While especially adapted to cutting fine lawns. the "Victory Mower" will do first-class work on lawn too rough for other mowers to be used. The ball bearings are the highest grade and reduce the friction so that a 24-in. machine can be run as easily as an 18-in. old style mower.

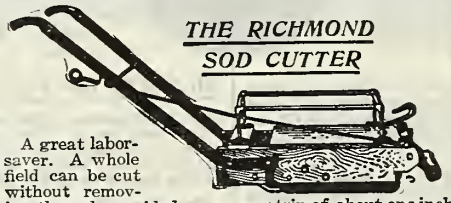
14 in.	16 in.	18 in.	20 in.	22 in.	24 in.
$8 50	$9.50	$10 50	$11 50	$12 50	$13 50

HORSE LAWN BOOT

Indispensable where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.

No. 2 for No. 2 horse shoe 5½ in. inside measure
No. 4 for No. 4 horse shoe 6½ in. inside measure
No. 6 for No. 6 horse shoe 7 in. inside measure
Per set of four $9.00

THE RICHMOND SOD CUTTER



A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about one inch in width is taken out at tbe start. **Price $23.00**

SCYTHE BLADES

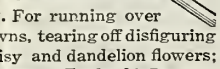
English Riveted Back, 30-inch, $1.30; 36-inch, 1.40; 40-inch, $1.50

Scythe Snath or Handle, with patent fastening, each $1.00.

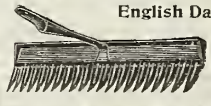
Talacre Scythe Stones each 25c, 3 for 60c.

LAWN RAKES.

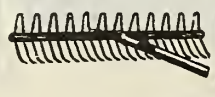
Automatic Self Cleaning. A backward motion of the operator clears all the teeth at once. **Each, 75c.**



English Daisy. For running over lawns, tearing off disfiguring daisy and dandelion flowers; 20 teetb, **Each, $2.75.**



Lawn Queen. Wire teeth, reversible head; 24 teeth, **each, 45c;** 36 teeth, **each, 75c.**



THE EAGLE PHILADELPHIA HORSE LAWN MOWER.

The roller of this Mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35 inch. 580 lbs; 40 incb, 610 lbs. **Price** (including seats, shafts and side-draft attachment) f. o. b. Chicago or New York: **35-inch cut, $100.00; 40-inch cut, $110.00.**

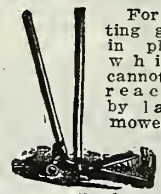
N. B.—We can also supply any standard make of Horse Mowers. Write for prices before purcbasing.

THE VAUGHAN LAWN MOWER.

The driving wheels are ten inches in diameter, cylinder fitted witb 4 blades suitable for long or short grass. Cylinder can be removed from macbine without distrubing the frame of the machine. We guarantee every Vaughan Mower to do satisfactory work.

15 in.	17 in.	19 in.	21 in.
$8.50	$9.50	$10.50	$11.50

LAWN SHEARS



For cutting grass in places which cannot be reached by lawn mower.

Two Wheels, Each. $2.75

BORDER SHEARS

For trimming the edges of borders and walks. 9-inch, $2.25
With Wheel, $2.50

Gold Medal Roller Bearing Lawn Rollers

Tbe benefit derived from using a roller on tbe lawn is inestimable. Freezing and thawing causes the ground to beave, and a too liberal watering with force washes the soil from the roots of tbe grass, and if the sod is not pressed down the grass is apt to burn out. Also if a roller is used on a lawn moles will not molest it.

	Diameter.	Face.	Sections.	Weight, lbs.	Price
No. 401	15 in.	16 in.	2	150	$ 9.50
No. 402	15 in.	24 in.	3	200	12.50
No. 404	20 in.	20 in,	2	250	15.00
No. 407	20 in.	24 in.	2	300	18.00

ONE AND TWO SECTION "WATER-WEIGHT" ROLLERS

Without Counter-Balancing Hand Weights

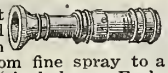
							Price
WB3	14	20	1	60	200	300	$10.00
WB5	18	24	1	75	300	500	13.00
WB7	24	24	1	125	500	800	17.00
WB9	24	32	1	140	650	1000	19.00
WB11	18	24	2	100	300	500	18.00
WB13	24	32	2	170	650	1000	24.00

VAUGHAN'S LAWN, HOSE SPRINKLERS, NOZZLES, Etc.

HOSE NOZZLES

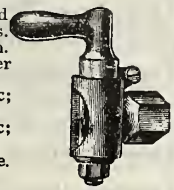
Boston Rose Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. Each, **60c**; by mail, **70c.**

Standard. With stream and 2½-in. spray, **$1.00.**



Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose. Each, **50c**; if by mail, **60c.**

INSECTICIDE NOZZLES



These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. If wanted to fit ¾-inch hose, order reducer, **25c** extra.

Bordeaux Nozzle. Each, **75c**; by mail, **80c.**

Vermorel Nozzle. Each, **75c**; by mail, **80c.**

Coupling to fit nozzles to hose. Each, **25c.**

BAMBOO EXTENSION ROD

Lined with aluminum. Eight feet long, with stop cock. Each, **$3.00.**

ALL IRON HOSE REEL

Very light, frictionless; wheels being so high are very easily worked; never break or wear out.

No. 10. 100 ft. ¾-in. hose..... **$2.75**
No. 20. 150 ft. ¾-in. hose..... **3.00**

Do You Want Flower or Vegetable Seeds for some special purpose? Our ***Special Purpose Collection Page*** on the inside of the back cover (opposite Index page) will help you decide just what to plant.

THE EVANSTON SPRINKLER

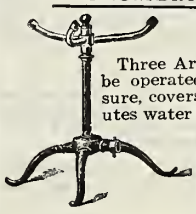
One of the best lawn sprinklers; has no revolving parts to wear out; will not clog with dirt. Gives even distribution of water over wide area. The fineness and symmetry of its spray make it especially desirable for new lawns and flowers. Its location may be easily changed while under full working head by aid of wire or cord. Ea. **35c.** Mailing weight about 2 lbs.

LINCOLN PARK or Butterfly

Used for years in Chicago parks; one of the most satisfactory sprinklers. Each, **30c.**

Mounted on stand, 2 foot, **75c**; 4 foot, **85c**; 6 foot, **$1.00.**

"COLUMBIA" SPRINKLER

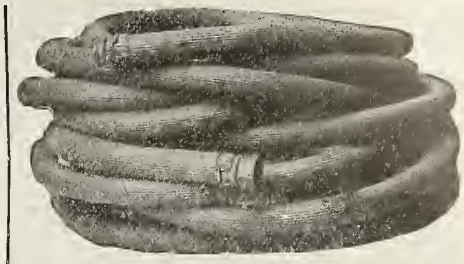


Three Arm Lawn Sprinkler, can be operated with moderate pressure, covers wide area and distributes water evenly. Revolving arms throw water in a fine spray into the air, and the motion produces a fine mist. Height, 1 foot. Each, **$1.25**; 3 for **$3.45.**

"AUSTRALIAN" SPRINKLER

This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2 foot, **65c**; 4 foot, **75c**; 6 foot, **85c**; 8 foot, **$1.00.**



RUBBER HOSE

Electric Non-kinkable

Best hose, finest quality of rubber. Will not kink, and will last for years. We can supply any length, and will fit with "snap" hose couplings if advised when ordering. Price, ¾-inch, per 25 feet, **$5.50**; 50 feet, **$10.00**; 100 feet, **$20.00.**

THE "SNAP" HOSE COUPLER

Best coupler, simple, durable, always tight, for ¾-inch hose. Per pair, **30c.**

Hose Coupler. Brass, for ½ or ¾-in. hose. Each. **15c**; doz., **$1.50.**

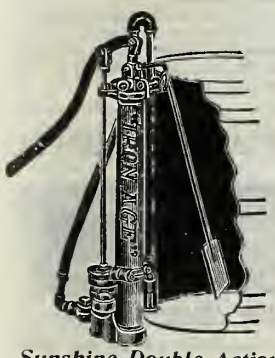
Hose Straps, Coldwell. Used in fastening coupler on hose. Doz., **15c.**

THE COOPER HOSE MENDER

Best hose mender. Copper, with sharp barbs on either end, prevent hose slipping off. ½ or ¾-inch, each, **8c**; doz., **75c**; 1-inch, each, **10c**; doz., **$1.00**; postage, **5c** doz. extra.

Iron Mender, for ¾-inch hose. Each, **5c**; doz, **50c.**

SPRAYERS FOR INSECTICIDES



IRON AGE VERTICAL BARREL SPRAYER PUMP No. 191

For the man with a small orchard or a few trees in the garden a hand pump furnishing high pressure fairly easily. Fits any barrel, but should be fastened to strongest side of barrel, mounted outside of barrel where it is conveniently reached. Not being covered with solution, is not likely to be corroded. Only parts inside barrel are dasher and suction pipe. Latter has fine screen at bottom, so sediment cannot pass through pump. Dasher operated automatically with pump handle keeps solution mixed thoroughly.

Price, **$15.00** without barrel; **$18.50** with barrel.

IRON AGE HORIZONTAL BARREL SPRAYER NO. 190

For small orchard or garden, used on one-horse cart or sled. Pump outside barrel; gives 100 to 125 pounds pressure. Holds 50 gallons. Each syrayer has double hose coupling, so one or two leads of hose can be used.

Price, **$20.00** without hose.

Success Whitewash and Spray Pump

This is most excellent for use in gardens, greenhouses, orchards, washing windows and buggies, or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream solid or in fine spray. It is one of the best pumps made for the money.

Price, complete.....**$4.00**

Sunshine Double Action Spray Pump

A first-class orchard barrel sprayer, made of best material, Solid brass upper and lower cylinders. Main body and pump is all air chamber, and will withstand a pressure of 150 pounds per square inch.

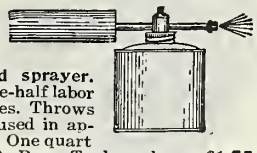
By using an extension rod the tops of highest trees can be reached, and as one or two leads of hose may be used, it cannot be surpassed for fast work. Pump can be mounted either on end or side of a wine or kerosene barrel. Pump complete with agitator, suction pipe, brass strainer and two leads ½-inch hose 5 feet long, fitted with Vermorel or Bordeaux Nozzles.....**$10.00**

The Brandt Sprayer

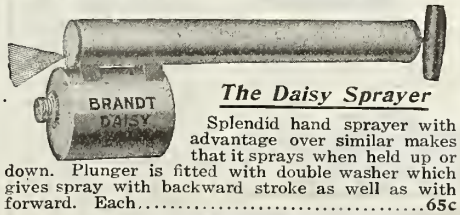
The only knapsack compressed air sprayer giving even, uniform spray. With all compressed air sprayers it was neceseary to pump them ahead, making pressure too high at beginning and too low at end. Result an uneven discharge. In "Brandt" pumping is done during progress of work, filling tank with pressure as liquid discharges. One stroke of pump for 15 to 25 hills of potatoes. Pressure always same and under perfect control, regardless of amount of solution in tank. Prices: Galvanized Tank.....**$5.00**

Brass Tank..... **6.75**
Double nozzle for spraying two rows..... **1.50**
Tree nozzle with 3-foot extension..... **1.50**

Pneumatic Sprayer

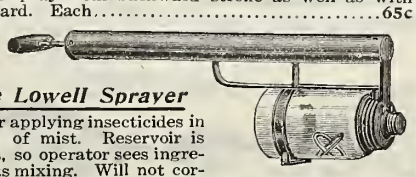


Compressed air **hand sprayer.** Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used in applying insecticides, etc. One quart size. Galv. Tank, **$1.00**; Brass Tank, each,.....**$1.75**



The Daisy Sprayer

Splendid hand sprayer with advantage over similar makes that it sprays when held up or down. Plunger is fitted with double washer which gives spray with backward stroke as well as with forward. Each.....**65c**



The Lowell Sprayer

For applying insecticides in form of mist. Reservoir is glass, so operator sees ingredients mixing. Will not corrode or rust. If broken can be replaced with Mason Jar. Price, each, **75c**; 3 for.....**$2.00**

The Auto Spray

Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration. Briefly, the "Auto Pop" is an automatic valve closed by air pressure used to operate the "Auto Spray." In operation a lever is moved by simply closing the hand, thus opening valve and allowing instantaneous discharge of spray. Price, galvanized iron reservoir, **$4.50**, with **Auto Pop $5.40**; solid brass reservoir **$6.75**, with **Auto Pop $7.65.** Extension rods, 2-foot lengths **45c.** Two-row attachments **$1.35.**

0-2 Whitewash Sprayer

To those who desire a medium price sprayer that is constructed of best material and one that will do good work, this sprayer will answer your needs. It is equipped with three feet discharge hose shut-off cock, and our Star spray nozzle and shoulder strap. Each **$6.50.**

INSECTICIDES and FUNGICIDES

Ant Exterminator. A non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. Box 25c; by mail 35c; smaller size 15c.

Aphine. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. ¼ pt. 25c. ½ pt. 40c, pt. 65c, qt. $1.00, gal. $2.50.

Aphis Punk Special preparation of nicotine for killing insects. 12 sheets, 60c. 1case, 12 pkgs. $6.50.

Arsenate of Lead, Popular remedy for use against all chewing insects that attack foliage and fruit trees. Will not wash off nor in any way hurn the foliage. Use two or three pounds to fifty gallons water. 1 lb 25c, 5 lbs $1.00, 10 lbs $1.80, 25 lbs $3.75, 50 lbs $7.25, 100 lbs $14.00.

Bordeaux Mixture. (Liquid or Paste.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. One gallon will make 50 gallons liquid. 1 qt. 40c. gal. $1.00, 5 gals. $4.50. (Dry.) Ready for use by simply adding water. Lb. 25c; postpaid 40c; 5 lbs. $1.00; 28-lb. keg $4.75.

Fir Tree Oil. Fine spray for greenhouse and house plants affected with mealy bug, scale, red spider, black and green aphis, thrip, lice, worms and slugs. Small bottle 25c, ½ pint 40c, pint 75c, quart $1.25, gallon $4.00.

Fir Tree Oil Soap. For thrip, red spider, black and green fly, mealy bug, worms, ½ lb. tin, 25c; 2 lbs. 75c.

Fish Oil Soap. (Commonly known as Whale Oil Soap.) An excellent wash for trees and plants where insects and eggs affect the bark. Per lb. 18c, 2 lbs., 30c; 5 lbs., 65c.

Fungine. New remedy for mildew, and other fungus diseases, for greenhouse and outdoor use. ½ pt. 35c, 1 pt. 55c, 1 qt. 75c, 1 gal., $2.00.

Flowers of Sulphur. Per lb. 10c; 10 lbs. 75c; 25 lbs. $1.50.

Grape Dust. Excellent for the prevention and destruction of mildew on plants. Per lb., 10c; 5 lbs., 35c.

Hellebore Powdered White. Less poisonous than Paris Green and safer to use when fruit is nearly ripe. Per lb. 30c; by mail 45c; 5 lbs., $1.40; 10 lbs., $2.50.

Horicum. Sulphur, Lime, Salt, etc., in such proportions as to make an affective wash for use as a preventive and cure for San Jose scale. Use one gallon to 20 gallons of water and spray trees when leaves are off. Per gal. $1.00; 5 gals $4,50. Write for barrel prices.

Kerosene Emulsion. One of the best insecticides for all soft bodied sucking insects feeding openly so as to be within reach of actual contact, such as plant lice, fleas, beetles, aphis, green fly, mealy bug, also for insects of fruit trees, including San Jose scale. Per qt. can, 40c: 1 gal. $1.00; 5 gal. can, $4.50.

Lemon Oil. Destroys mealy bug, scale, thrip' red spider, etc. ½ pt. 25c. pt. 40c' qt. 75c, ½ gal. $1.25, 1 gal. $2,00.

Lime-Sulphur. The best remedy for San Jose scale. One gallon makes ten. Also one of the hest Summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. Per qt. can 40c; 1 gal., $1.00: 5 gal., can, $4.50.

Nico-Fume. Strips of Paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 feet wide. Price 24 sheets 75c, postpaid, 90c; 144 sheets, $3.50; 288 sheets, $6.50.

Nico-Fume Liquid. For fumigating or spraying; contains 40 per cent nicotine, ¼ pint, 50c; pint, $1.50; ½ gal. $5.50; gal., $10.50.

Nicoticide. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. 4 ozs. 70c. ½ pint $1.25, pint, $2.50, quart $4.50, ½ gallon $8.25, gallon $15.00.

Nicoteen. Use same as Nicoticide. ¼ pt. 40c; ½ pt. 75c, pt. $1.50, 3 pts. $4.25. Per original case, 10 pts. $12.50.

Paris Green. A poisonous insecticide in powdered form, for insects which chew. When applied as a powder use one part Paris Green to 100 parts plaster or flour. As a liquid one pound Paris Green in 150 to 300 gallons water. If used on fruit trees add one pound quicklime. ¼ lb, 10c, ½ lb. 18c, lb. 30c. 5 lbs. $1.40. 14 lbs. $3.65.

Persian Insect Powder. Lb. 40c; by mail, 55c.

Pyrox. Kills all leaf-eating insects, destroys fungus growth, hlight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage, vegetables, fruits and shrubs. Price: lb. 25c; 5 lbs. $1.00; 10 lbs., $1.75; 25 lbs., $4.00; 50 lbs., $7.50; 100 lbs $13.50.

Scalecide. Oil preparation for San Jose Scale Gal. 1.25, 5 gals. $4.00, 10 gals. $7.00.

Slug Shot, Hammond's Destroys potato bugs and those on tomato and egg plants, currant worms, cabhage lice and worms. Price 1 lb. carton 15c; 5 lbs. 40c; 25 to 50 lbs. at 5c. per lb.; keg of 125 lbs., net, $6.00; barrel in bulk, 250 lbs., $11.50.

Slug Shot Duster. Each 35c.

Solution of Copper. For trees, vines or vegetables affected with rot, blight or scab. Pint, 35c; quart, 60c. Gal. $1.75.

Sulpho Tobacco Soap. One of the best remedies for green fly on roses. 8 oz. box 20c, by mail 25c, 3 oz. pkg. 10c, by mail 12c.

Thrip Juice. For mealy hug, scale, thrip, codling moth, canker worms, beetles, caterpillars, etc. Per pint 65c.

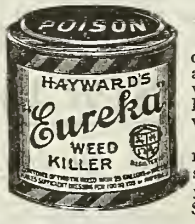
Tree Tanglefoot. Perfect safeguard for trees against Gypsy, Browntail and Tessock moths, canker worm, cut worm, ants, and other creeping insects. 1 lb. can 30c, 3 lb. can 80c.

Tobacco Stems. For fumigating. 5 lbs. 20c, per 100 lbs. $1.50.

Tobacco Dust. Remedy for aphis, fleas, beetles, etc. Lb. 10c (by mail 25c), 5 lbs 25c, 10 lbs 40c, 100 lbs $3.00.

X. L. All-Liquid Insecticide. English nicotine preparation, harmless, to very delicate plants. Kills mealy bug, red spider and white fly. ½ gal. $2.25. 1 gal. $4.00.

Sulphate of Iron. A remedy for weeds on lawns for which it is claimed that it will kill dandelions without injuring the grass. To be successful, liquid should be applied with a fine spray. Full particulars on application. 5 lbs. 25c, 10 lbs 40c, 25 lbs 75c, 50 lbs $1.25, 100 lbs. $2.25.

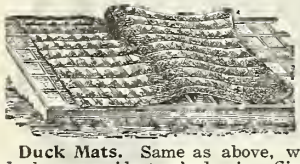


Eureka Weed Killer.

A special preparation which dissolves in water. Will destroy all weeds, moss, etc. on gravel walks, carriage drives, etc., and keeps them under control the whole season.

All who have used this preparation praise it highly. Large size tin, enough for three square yards of path, $1.00; 12 lb. tin $3.00.

HOT BED MATS.



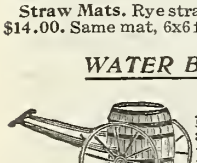
Burlap Mats, lined, waste wool and cotton quilted Size A, 40x76 in., $1.10 each; per dozen, $11.00. Size B, 76x76 in., $1.50 each; per dozen $15.00.

Duck Mats. Same as above, with water-proofed duck on one side to shed rain. Size C, 40x76 inches, $1.50 each; per dozen, $16.00. Size D, 76x76 inches, $2.00 each; per dozen, $21.50.

Rattan Mats (Singapore Fibre). Mouse and rot proof, being made of flexible cane figure, firmly put together. One of the best and most durable mats on market, 6 ft. 2 in. long by 6 ft. wide. Each $2.50; dozen $27.00.

Straw Mats. Rye straw, 36x6 ft., each $1.25; dozen, $14.00. Same mat, 6x6 ft., each $2.25; dozen $25.00.

WATER BARREL TRUCK

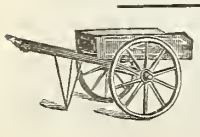


Can be used for a variety of purposes, barrel can he easily attached or detached from the truck hy simply raising or lowering the handles. Water Barrel and Truck with 2½ inch tires..... $10.50

Truck only, without barrel but with one pair trunnions..... 7.50

Barrel with sprinkler attachment only..... 3.50

HAND CART BOX.



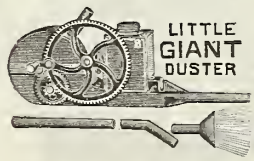
Used with truck makes a very conveinient dumping hand cart. Length, 37 inches; width 23½ inches; depth, 8 inches. Hand Cart Box with truck, 2½ in. tires, $11.00; without cart, $3.25.

"ILLINOIS" SELF-WATERING FLOWER BOXES AND BASKETS

Hanging Baskets.

Vines and flowers grow luxuriantly in these baskets. They require watering only once a week. The water goes directly into reservoir and is drawn upon as needed, so earth is always moist, "Never leak a drop;" may he hung on chains or set on small table. Prices do not include chains.

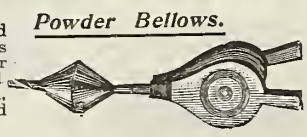
No.	Depth	Square	Price	No.	Depth	Square	Price
8	6 in	8 in	$1.00	12	8 in	12 in	$1.50
10	7 in	8 in	1.25	14	9 in	12 in	1.75

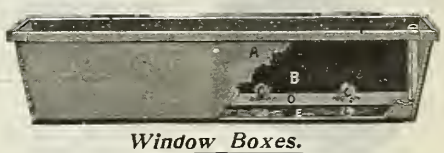


The best dry powder gun; will distribute any dry insecticides and fungicides. Will do as much work in a day as a horse power sprayer. Dusts two rows at once. Price, $5.50.

Powder Bellows.

American. Used for dusting plants with sulphur or like material. Three sizes each, $1.00, $1.15 and $1.25.





Window Boxes.

Neat convenient and practical window box made entirely of metal and guaranteed not to leak. The box has a reservoir in the bottom, which, when filled with water will supply plants with moisture for ten days, by means of sponges inserted in the false bottom of the box. Water being conveyed direct to roots of plants leaves the soil in a loose condition, always moist, ideal for plant growth.

8-in. deep 10-in wide.

No.	Length	Price	No.	Length	Price
0	16 in	$1.00	6	33 in	$2.35
1	23 in	1.60	7	35 in	2.50
2	25 in	1.75	8	37 in	2.65
3	27 in	1.90	9	39 in	2.80
4	29 in	2.05	10	41 in	3.00
5	31 in	2.20			

Porch Boxes. Made on the same principal hut they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during the hottest summer months. Never drip, like the old wooden boxes, and only require watering every 10 days.

9 in. deep, 12 in. wide.			8 in. deep 12 in. wide.		
No.	Length	Price	No.	Lengnh	Price
21	37 in	$3.00	24	49 in	$4.00
22	41 in	3.40	25	53 in	4.25
23	45 in	3.75			

VAUGHAN'S GARDEN TOOLS AND REQUISITES

ASPARAGUS BUNCHER. (Fig. 23.) Each **$2.00.**

BASKETS. Wire Hanging. (Fig. 11.) Each 6-in. **10c,** 8-in. **15c,** 10-in. **20c,** 12-in **25c.**

Rustic Hanging.—Diameter bowl 8-in. **85c;** 10-in **95c;** 11-in. **$1.10;** 12-in **$1.25;** 14-in **$175.**

Earthenware Hanging.—Terra Cotta. (Fig. 6.) saucer attached without hanging wire.

	Each	Doz.
7 in.	$0.15	$1.50
8 in.	.25	2.25
9 in.	.30	3.00
10 in.	.40	4.00
12 in.	.50	4.75

BOXES—Cut Flower.—Vaughan's "Green" Grade, Green lined, moisture-proof board. Very popular.

Size in inches	Weight Per 100	Per 100	Size in inches	Weight Per 100	Per 100
3 x16x4	33 lb.	$3 25	3½x21x7	65 lb.	$4 50
3 x18x5	40 lb.	3 25	3½x30x5	75 lb.	4 75
3 x21x5	45 lb.	3 50	4 x24x8	85 lb.	5 25
3½x24x5	60 lb.	4 25	5 x28x8	105 lb.	6 75
3½x18x6	55 lb.	4 00	5 x36x8	135 lb.	9 50

CARNATION SUPPORTS. (Figure 18.) Model; wire, 2 rings. Dozen **60c;** 100, **$4.00.**

DANDELION PULLER.—The Vaughan. (Fig. 15.) Made of best steel, after an English pattern; 13½ in. long, weight 10 ozs. each **50c.**

DIBBER. (Fig. 21.) For transplanting vegetable plants; steel point. Each, **30c;** postpaid, **40c,**

DUSTER.—Lowell. (Fig. 12.) Each, **75c,**

FORK. Diging or spading 4 tines Each, **85c.**

FUMIGATORS.—Eureka. (Fig. 19.)

No. 1	Eureka,	Galvanized,	holds	½pk.	of stems	$1.50
" 2	"	"	"	1 "	"	2.00
" 3	"	"	"	½bu.	"	2.75
" 4	"	"	"	¾ "	"	3.50

GARDEN LINE REEL. (Fig. 2.) Each, **60c.**

GARDEN LINE. (Fig. 9.) Each heavy braided. Per 100 feet, **50c;** by mail **60c.**

GLAZING MATERIAL

GLASS CUTTER AND GLAZING TOOL. Each, **10c.**

GLASS CUTTER DIAMOND. Each, **$4.50.**

GLAZING POINTS.—Vaughan's Perfection. No rights or lefts. No 2. small single thick glass; No. 1. large, single thick glass; No. 2½. double thick, for greenhouse and skylights. Price per box of 1,000, **70c;** by mail **85c.**

Siebert's Improved. Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞ inch long. Price per lb. **50c.**

MASTICA. For glazing greenhouses, hotbeds, sash, etc., better than putty; does not crack, always remains soft. Per gallon, **$1.35.**

MASTICA MACHINE. (Fig. 20.) For applying above. Each, **$1.25.**

TWEMLOW'S OLD ENGLISH GLAZING PUTTY. Semi-liquid. Same as Mastica. Per gallon, **$1.85.**

SCOLLAYS' PUTTY BULB. Useful tool with a tube for applying liquid putty in glazing greenhouses. Each. **90c.**

GLOVES.—Gardener's. (Fig. 3.) Heavy Goatskin, Per pair, **$1.00.**

GRASS HOOKS or Sickles. (Fig. 4.)—**English.** Riveted backs, each, **50c.**

German. Best cheap Sickle; much used by cemeteries and parks, where tools get hard usage. Each, **30c.**

GRAFTING WAX. Per ¼ lb. bar, **12c;** ½-bar, **20c;** 1-lb. bar, **35c.**

HOE.—Draw or Field. Socket Handle. Each, **50c.**

Combination Draw and Rake. 4½ inch cut and 4 teeth. Each **50c;** 6½-inch cut and 6 teeth, **60c.**

English Scuffle or Push. (Fig. 22.) 6-inch, **55c;** 8-in., **65c;** 10-in., **75c.**

Prong Hoe or Potato Hook. Four tines. **50c.**

Warren. Best Garden Hoe made. Each, **70c.**

Weeding and Cultivating. Single Prong, Each, **30c,** Double Prong. Each, **35c.**

KNIVES.—Asparagus. Straight Cut (Fig. 13.) Each, **45c,** by mail **50c.**

Asparagus. Concave (Fig. 17.) Each, **50c.** by mail **55c.**

Budding. (Fig. 26.) Ivory handle. Each, **$1.25.** by mail **$1.30.**

Budding. Black handle ivory tip, strong. Each **90c.** by mail **95c.**

Propagating. Ivory handle. Each, **$1.25;** by mail **$1.30.**

Propagating. (Fig, 16.) "The Vaughan," best of all. Each, **75c;** by mail **80c.**

Budding and Propagating. (Fig. 25) 2 blades ivory handle. Each, **$1.25.** By mail **$1.35.**

Pruning. (Fig. 14.) Stag handle, Enlish. Each, **$1.25;** if by mail **$1.30.** American, a good tool. **75c.**

German Pruning. Two blades **$1.25.**

Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each postpaid, **30c;** 3 for **75c.**

LABELS.—Aluminum Tree Labels. (Fig. 10). Wired 3 ¾ inches long by 1 inch wide. Price per doz., **30c;** 100, **$2.00;** 1,000, **$18.00.**

Glass. Per doz.. **20c:** per 100, **$2.00.**

Wooden. For pots, painted.

	100	1000		100	1000
4 in.	$0.15	$1.00	6 in.	$0.25	$1.75
5 in.	.20	1.50	12 in.	.75	6.50
Tree, Copper Wired			3½ in.	.20	1.50

COPPER. Indestructible. Small, 20c doz.; 100, **$1.25;** large **25c** doz.; 100 for **$1.50.**

CYPRESS. For use outside, will last for years, 16x1¼ in. Doz., **25c;** 100 for **$1.25;** 18x3¾ in., doz., **30c.;** 100 for **$1.50.**

IRON AGE. Galvanized iron. The reading is protected by sheet of Mica. Each, **20c;** doz., **$2.00;** 100 for **$15.00.**

LEAF MOLD. For potting ferns and like plants. Bbl., **$1.80.**

CARBOLENIUM PAINT. Used on labels will preserve them for years Qt. **25c;** gallon, **$1.25.**

MOLE TRAPS. Out O'Sight. (Fig 1.) One of the best mole and gopher traps. Each, **85c.**

PEAT. For potting orchids, etc. Per bbl., **$2.50.**

PEAT MUCK. For potting Azaleas. Per bbl., **$2.00.**

PENCILS, Indelible. With tip. For marking labels. Each, **15c;** doz., postpaid, **$1.50.**

PLANT BED CLOTH.—For Flower Beds, Cheap substitute for glass, answering many uses equally well. 20 to 50 yds. medium, per yd. **12c;** heavy **20c;** 50 to 100 yds. medium per yd. **11c;** heavy **18c;** Not less than 20 yds. of a kind sold.

POTS, SAUCERS, PANS.

RED FLOWER POTS. (Fig. 5.)—We pack these carefully but will not be responsible for breakage in transit.

	Doz.	100	1000		Doz.	100	1000
2 in.	$0.12	$0.65	$5.50	6 in.	$0.65	$4.00	$40.00
2½-in.	.15	0,85	7.00	7-in.	1.00	7.00	....
3 -in.	.20	1.25	10.00	8-in.	1.40	10.00	....
4 -in.	.35	1.75	15.00	10-in.	each		.25
5 -in.	.45	3.50	25.00	12-in.	each		.40

SAUCERS, RED.

	Doz.	100		Doz.	100
3-in.	$0.15	$1.00	7-in.	$0.50	$3.50
4-in.	.25	1.50	8-in.	.80	5.00
5-in.	.35	2.00	10-in each	.15	
6-in.	.45	2.75	12-in each	.20	

SAUCERS, FIBRE, waterproof and unbreakable.

	Doz.	100		Doz.	100
4-in.	$1.00	$7.50	8-in.	$0.50	$10.00
5-in.	1.15	8.00	9-in.	1.65	11.00
6-in.	1.25	8.50	10-in. each	.20 doz.	1.80
7-in.	1.35	9.00	12-in. each	.25 doz.	2.50

FERN PANS RED.

	Each	Doz.		Each	Doz.
6-in.	$0.07	$0.75	9-in	$0.15	$1,50
7-in.	.08	.85	10-in	.25	2.00
8-in.	.12	1,25			

AZALEA PANS RED.

	Each.	Doz.		Each.	Doz.
5-in.	$0.05	$0.50	9-in.	$0.25	$2.50
6-in.	.07	.75	10-in.	.35	3.50
7-in.	.12	1.25	12-in.	.50	
8-in.	.15	1.50			

NEPONSET PAPER. (Fig. 7). Made of waterproof paper and are light, clean, and unbreakable.

	Per 100	1,000		Per 100	1,000
2¼-in.	$0.35	$3,00	4-in	$0.95	$8.25
2½-in.	.40	3.50	5-in	1.30	12,00
3 -in.	.60	5.00	6-in	1,85	16.50
3½-in.	.75	6.25			

POT HANGER. Kramer's (Fig. 24) Converting flower pots into hanging baskets. Price, each, **15c;** doz., postpaid, **$1.35.**

POWDER GUN.—Jumbo. (Fig. 8.) Each, **30c;** small size, **15c;** by mail **20c.**

RAKES.—Steel Bow Garden. Best; does not break in center. 12 teeth, **60c;** 14 teeth, **75c;** 16 teeth, **90c. Garden.** 12 teeth, **50c;** 14 teeth, **60c;** 16 teeth, **75c. Lawn.** (See Page 150)

SASH, HOTBED. (Fig. 28.) Unglazed, 3x6 ft., for 3 rows 10 inch glass, each **$1.50;** 3 for **$4.40.** doz. **$17.50.**

For 38 in x6 ft., for 4 rows 8 in. glass, each **$1.60;** 3 for **$4.75;** doz. **$18.50.**

Write for prices on glazed Sash.

VAUGHAN'S GARDEN TOOLS AND REQUSITIES.—*Continued.*

SAWS—Double Edge Pruning. Holes in handle for attaching to a pole; 16-inch, **85c**; 18-inch, **$1.00**; 20-inch, **$1.10.**

Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of tbe tree. Each, **$1.75**; extra blades, **25c.**

SCISSORS.—Grape Thinning. (Fig. 46.) Each, **60c.**

SHEARS.—Hedge. (Fig. 35.) Best imported English.

8-inch, **$1.25**; with notch.....**$1.40**
9-inch, **1.50**; with notch..... **1.65**
10-inch, **1.75**; with notch..... **2.00**

Notch at crutch of blades to cut small branches.

German Pruning. (Fig. 44.) 4½-inch, Each, **90c**; 5½-in,. **$1.00**; 6½-inch, **$1.10**; 7½-in,, **$1.15**; 8½-in,. **$1.35**; 9½-in., **$1.50.** Extra Springs, each, **15c.**

California Pruning. Best grade, with double brass springs and one extra blade. Each, **$1.65.**

Levins Pruning. (Fig. 45.) One of the best pruning shears made. Each, **50c.**

Sheep. Witb thumb guard. For trimming grass on edges and around flower beds, Each, **35c.**

Sheep. Best quality steel, 6½-inch blade. **$1.25.**

Buckeye Pruning. Long handle. Each, **75c**; large size, heavier, **$1.25.**

Clyde Draw Cut Pruner. (Fig. 42.) Extra strong, long handle, **$2.25.**

Improved Wire. For cutting annealed wire. Ea. **85c.**

SHOVELS.—Ames. D handle, round point. Each, **$1.35.**

Ames. Long handle, round point. Each, **$1.30.**

Ames. D handle, square point. Each, **$1.30.**

SIEVES. For sifting soil. 18 inches in diameter, all sizes mesh from ⅛ to ¾ inch, Each, **$1.25.**

SOIL,—Potting. Suitable for all ordinary plants and bulbs, and will be sent by express or freight at buyer's expense, sifted and packed ready for use. Peck, **35c**; bushel. **$1.00.** Barrel, **$2.00.**

SPADES.—Vaughan's. Special D handle (Fig. 48.) Each, **$1.25.**

SPRINKLERS.—The Lenox. (Fig. 30.) A splendid Sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, **35c**; by mail, **40.**

Scollay's Rubber. (Fig. 51,) Indispensable for Floral work. Large, **90c**; by mail, **$1.00**; medium, **75c**; by mail, **82c**, small, **60c**; by mail, **65c.**

STAKES.—Green Painted Wood. Very useful for tying plants, shrubs, etc,

Light Weight.

Per doz.	100		Per doz.	100
1½ ft. $0.20	$1.00	3½ ft.	$0.60	$4.50
2 ft. .25	1.75	4 ft.	.75	5.50
2½ ft. .35	2.70	5 ft.	.85	6.50
3 ft. .50	3.50			

Heavy Dahlia. 3 ft.....**$0.75 $5.50**
Heavy Dahlia. 4 ft..... **.95 $7.00**
Heavy Dahlia. 5 ft..... **1.10 8.50**

	Per 100	1000
Cane Stakes. 6 to 8 ft. long.....	$1.00	$7.00
Cane Stakes. 9 to 12 ft. long, extra heavy.....	1.75	14.00
Bamboo Stakes. 4 to 6 ft. long, light Japanese cane.....	.75	6.00
Japanese Green Plant Stakes. Doz.	100	1000
1½ ft.....	$0.15 $0.50	$4.00
2 ft.....	.20 .70	5.00
3 ft.....	.25 1.00	8.00
4 ft.....	.30 1.10	9.00

GALVANIZED WIRE.

No. 8 Per doz.	100		Per doz.	100
1½ ft....	$0.10 $0.55	3½ ft....	$0.25	$1.00
2 ft....	.15 .60	4 ft....	.30	1.25
2½ ft....	.18 .70	5 ft....	.35	1.60
3 ft....	.20 .85			

STAND, Rolling. (Fig. 36,) For heavy plants. Made of indurated fibre ware. Castors have ball bearings; 12-inch, **75c**; 14-inch, **85c**; 16-inch, **$1.10**; 18-inch, **$1.20**; 20-inch, **$1.50**; 22-inch, **$1.70.**

SYRINGES.—Brass. (Fig. 29.) No. 0, 12½-inch spray for small greenhouses or windows, **$2.00.**

No. 5. Greenhouse Syringe, 18-inch barrel, **$6.00.**

English. Brass, No, 11, 18-inch barrel. with two different sprays and one stream **$4.00.**

THERMOMETERS. These cannot be sent by mail,

Tin Case. (Fig. 38.) 8 inch **20c**: 6 for **$1.50.**

Cabinet. Wood case, **50c**; 3 for **$1.35.**

Imported German. All glass, very accurate for propagating and hot beds, **30c.**

Hot Bed. Brass point, wooden frame, **$2.00.**

Self Registering. With magnet to set it, 8-inch, each, **$3.00**: registers highest and lowest temperature. Minimum for registering cold. **$1.75.**

THISTLE CUTTERS. Narrow blade for removing thistles or weeds from lawns. With foot rest, **50c.**

TOMATO SUPPORTS. Made of heavy galvanized wire, will last for years.
F. O. B, New York. Each. **20c**; doz., **$1.75.**
F. O, B. Chicago. Each, **25c**; doz., **$2.00.**

TRELLIS, WOOD. Fan Shape. (Fig. 31) 18-inch. **15c**; 3 for **40c**; 24-inch. **25c**; 3 for **60c**; 30-inch. **30c**; 3 for **$75c**; 36-inch, **50c**; 3 for **$1.25**; 3½ feet, 21 inches wide. **60c**; 4-feet, 27 inches wide, **75c**; 5-feet, 32 inches wide, **85c**; 6-feet. 38 inches wide, **$1.00**; 7-feet, 42 inches wide, **$1.20.**

Veranda. 18-inch wide; 5 feet. **75c**; 6 feet **85c**; 7 feet. **$1.00**: 8 feet, **$1.20**; 9 feet, **$1.30**; 10 feet, **$1.50.**

TROWELS.—Vaughan's Steel. (Fig. 32:) One solid piece of steel and will outwear all others. Each, **50c**; 3 for **$1.40.** Postpaid, each, **60c.**

Ordinary Garden. 6-inch, each, **12c**; prepaid, **20c.**

English Steel. 6-inch, each, **25c**; prepaid, **35c.**

Transplanting Trowel. Can be used either as a transplanter, dibber or weed digger, blade being narrow and deeply curved. 7-inch, **25c**; postpaid, **35c.**

TREE PRUNERS.—Waters. (Fig. 50.) Length of pole, 4 feet. **60c**; 6 feet. **75c**; 8 feet, **90c**; 10 feet, **$1.00**; 12 feet, **$1.10.**

Extra Knives. Each, **20c.**

TREE SCRAPER. (Fig, 41.) With handle. Ea. **75c.**

FLOWER TUBS.—Columbian, (Fig. 54.) Made of the best pine lumber. Has twelve staves in tapered shape held together by two steel wires, Natural varnish finish. Measurements are outside of tub. F. O. B. Chicago only.

11 by 11½ inches.....	Each, **$1.00**;	4 for **$3.80**
14 by 14½ iuches.....	Each, **1.50**;	4 for **5.60**
17 by 16½ inches.....	Each, **2.00**;	4 for **7.50**
19 by 19¾ inches.....	Each. **2.50**;	4 for **9.40**
26¾ by 22½ inches.....	Each. **3.00**;	4 for **11.00**

Union Cypress. (Fig. 53.) These tubs are made of ⅞-inch cypress, which insures their keeping for years without rotting. Measurements are outside of tub.

No.			Each,	4 for
1–	11½ in. diam.,	11½ in. high....	$1.00	$3.60
2—	13½ in. diam.,	12 in. high....	1.25	4.50
3—	14 in. diam.,	14 in. bigh....	1.65	6.00
4—16	in. diam.,	15 in. high....	2.00	7.50
5—19	in. diam.,	18 in. high....	3.00	11.00
6—22	in. diam.,	19½ in. high....	3.75	13.00

TURF EDGER.—American. (Fig. 49.) Each, **50c.**
English. Imported steel blade, only **$1.00.**

VASE.—Clara Cemetery. (Fig. 34.) Glass, 12 in. sharp pointed. **50c.**

Fiber. For cut-Flowers. Unbreakable.

9 inches deep, 4½	inches diam.....	Each, **$0.50**
10 inches deep, 5½	inches diam.....	Each, **.55**
13 inches deep, 8	inches diam.....	Each, **.65**
18 inches deep, 5½	inches diam.....	Each, **.75**

WATERING POTS.—American. (Fig. 52.) Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, **$1.75**; 6 quart, **$2.00**; 8 quart, **$2.25**; 10 quart, **$2.50**; 12 quart, **$2.75.**

French Style. Oval, otherwise same make as above; 6 quart, **$2.25**; 8 quart, **$2.50**; 10 quart, **$2.75**; 12 quart, **$3.00.**

WEEDERS.—Combined, (Fig, 37,) Each, **25c.**

Eureka. (Fig. 33.) Best hand weeder for loosening soil around plants. Short handled, **25**.; long handled, **35c.**

B's Weed Extractor. Price, **60c.**

Excelsior. (Fig. 39.) Each, **10c.**

Lang's. (Fig. 40.) We find this by actual trial a real labor saver. each, **20c**: postpaid. **25c.**

Hazeltine. (Fig. 47.) Each, **20c.**

Magic Weeder and Hoe. Handy tool, weeder part having four long tines. When reversed can be used as a hoe. Each, **30c.**
Piqua. Price, **$1.00.**

WHEELBARROWS.—Globe Garden. (Fig. 43.) Inside measurements of box, 30 inches long, 19 inches wide at wheel end. 24 inches wide at handle end. 12 inches deep. Has a 20-inch wheel. Price. with steel wheel, **$4.50.**

Vaughan Greenhouse. We had numerous calls for a greenhouse wheelbarrow, tbe ordinary wheelbarrow being too wide. We built a special barrow which fills this want perfectly. Price. ea,. **$5.00.**

RAFFIA FIBRE for BASKETS, Etc.

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in fourteen different colors, a sample card of which will be mailed upon request.

Natural, bunch (about 3 ozs.)	**$0.10**	**Colored,** bunch (about 2 ozs.)	**$0.10**
Natural, per lb.	**.25**	**Colored,** per lb.	**.50**
Natural, 5 lbs.	**1.00**	**Mixed Colors,** per bunch	**.10**
Special White	**2 oz. bunch 10c, 1 lb. 35c, 5 lbs. 1.25**		
Needles, for Raffia Work	**per package .10**		

If to go by parcel post, include postage in remittance.

REEDS (RATTAN.)

Since the recent awakening to the importance of basketry Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 8 are the common sizes, 6 and 8 being used for the coarser work.

	Bunch	¼ Lb.	Lb.		Bunch	¼ Lb.	Lb.
No. 1	$0.10	$0.30	$1.00	No. 5	$0.10	$0.18	$0.60
No. 2	.10	.25	.85	No. 6	.10	.15	.55
No. 3	.10	.22	.75	No. 8	.10	.13	.45
No. 4	.10	.20	.70	By parcel post, postage extra			

INDIAN SWEET GRASS

Sweet Grass is an excellent basket-weaving material and may be combined with Raffia with charming effects. As its name implies, it posseses a delightful fragrance.

Oz. **$0.10** | ¼ lb. **$0.25**
1 lb. **.85**

WOOD RIBBON.

Imported from Germany. Very thin, 2½ inches wide and comes in 7 fine colors, besides natural. **Oz., 12c; ¼ lb., 40c; lb., $1.25.**

INDIAN SPLINTS.

Made from ash wood by the Indians. These splints are one-fourth inch wide. 7 colors, besides natural. **Oz., 20c; ¼ lb., 50c; lb., $1.50.**

BASKET BOOKS, Postpaid.

Basket Making. Morse. Paper, 32 pages, illustrated. For beginners **$0.25**

How to Make Baskets is the title of a very instructive work. By Mary White. Bound in cloth, 194 pages, illustrated **1.00**

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Indian Basketry. James. Cloth. 402 pages, illustrated **2.50**

More Baskets and How to Make Them. White. 157 pages. **1.00**

How to Make a Flower Garden.

Full of practical information and suggestion. Written by men thoroughly conversant with this subject. Profusely illustrated from photographs showing actual conditions as they exist. The Water Garden, Herbaceous Border, Trees and Shrubs, Spring Bulbous Flowers, etc., treated in detail. Cloth, 370 pages, **$1.60.**

Garden Making.

By Prof. Bailey. The most up-to-date book on general gardening. Postpaid, **$1.50.**

Mushrooms: How to Grow Them.

By Falconer. The only American book on the subject, 29 illustrations. Written by a practical mushroom grower who tells the whole story so tersely and plainly that a child can understand it. This book has been the means of increasing mushroom growing in this country to enormous proportions. **$1.00.**

Landscape Gardening.

By Maynard. Gives general idea of landscape work on the home grounds. The many suggestions of this book will be found helpful to anyone who wishes to do landscape work. 338 pages, 165 illustrations. **$1.50.**

BOOKS.

PRICES QUOTED BELOW INCLUDE POSTAGE.

Alfalfa. F. D. Coburn. Illustrated. Cloth; 164 pages **$0.50**
American Apple Orchard. F. A. Waugh. Illustrated. 226 pages; Cloth **1.00**
American Garden Book (In German). Hans Buschbauer. Cloth; 504 pages **2.00**
Art of Propagation. Treats of trees and plants. Paper; 31 pages **.30**
Asparagus Culture. F. M. Hexamer. Illustrated. Cloth; 174 pages **.50**
Asparagus Culture Barnes & Robinson **.50**
Berry Book, The Biggle. Cloth. 126 pages **.50**
Bulbs and Tuberous Rooted Plants. Allen. Cloth **1.50**
Cabbage and Cauliflower. By Allen. Cloth **.50**
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Cook Book. Vaughan's Vegetable. Paper, 25c; cloth **.40**
Farm and Garden Rule-Book. Bailey. Very useful for fruit growers, truck gardeners, farmers, florists, etc. Cloth. 587 pages **2.00**
Farm Gardening and Seed Growing. By Orange Judd **1.00**
Fertilizers. By Prof. E. B. Voorhees. Cloth; 335 pages **1.25**
Fertilizers. Gregory. Paper **.50**
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Greenhouse Management. L. R. Taft. Illustrated. Cloth; 375 pages **1.50**
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Peony, The. Illustrated. By C. S. Harrison. Paper. 56 pages **.25**
Plant Breeding. By Bailey **1.25**
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Pruning Book, The. By L. H. Bailey. Illustrated. 545 pages **1.50**
Rhubarb Culture, The New. Morse. A complete guide. Cloth; 130 pp. **.50**
Rose, The. By H. B. Ellwanger. Cloth; 308 pages **1.25**
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Sweet Potato Culture. J. Fitz. 86 pages. Cloth **.50**
Tobacco Culture. Paper; 50 pages **.25**
Tomato Culture. A. I. Root. Paper; 150 pages **.40**
Vegetable Gardening, Principles of. L. H. Bailey. Cloth; 450 pages **1.50**
Vegetable Gardening. Prof. Green. Cloth; 243 pages **1.00**
Vegetable Garden. Vaughan's. Paper **.10**
Vegetable Garden, The. Vilmorin's. Illustrations, Descriptions and Culture of Garden Vegetables. Authoritative. Cloth; 782 pages **6.00**
Violet Culture, Commercial. B. T. Galloway. Cloth; 240 pages **1.50**
Window Flower Garden. Heinrich's. Illustrated. Cloth **.50**
Woman's Hardy Garden, A. Ely. Illustrated. Cloth; 205 pages **1.75**

Aside from those books offered on various pages of this catalogue, we carry a large line of gardening, farm and poultry books by the best writers. We can supply them, postpaid, at publishers' prices.

3 Books You Should Buy

GREENHOUSE MANAGEMENT

A manual for Florists and flower lovers on the forcing of flowers, vegetables and fruits in greenhouses and the propagation and care of house plants. By L. R. Taft. Illustrated. Cloth; 375 pages. **$1.50**

THE BOOK OF GLADIOLUS

Complete and authoritative work on this most popular flower; clear and concise. Written by Matthew Crawford and Dr. W. Van Fleet. Fully illustrated. 120 pages. Cloth **$1.25**

LANDSCAPE GARDENING

How to Lay Out a Garden. By Kemp. Adapted to North America by Waugh. 292 pages **$1.50**

Gardening Conducted by Practical Gardeners. Issued twice a month. Price, $2.00 per year. Send us your subscription. **The best paper for Amateur and Professional Gardeners.**

Double and Single Wheel Hoes

IRON AGE

Hill and Drill Seeders

We are Special Chicago Agents for Iron Age Tools.

When you made garden in the old way, you had to be very fond of it, to undertake the drudgery. It is different now—thousands of people are making their own gardens with pleasure and profit in many ways by using **"IRON AGE" Wheel Hoes and Drills. With the Wheel Hoes,** you can get over your garden ten times where you did once before—you can prepare the ground, furrow, weed, hoe, cultivate, ridge and cover. **With the Drills,** you can sow in continuous rows, or in hills. You can get more and better crops on the same ground with far less labor and greater satisfaction to yourself. You can get fertilizer attachments with which to dress the rows and force growth. **A woman, boy or girl** can easily operate any **"IRON AGE"** garden tool. They are indispensable in small gardens as well as large.

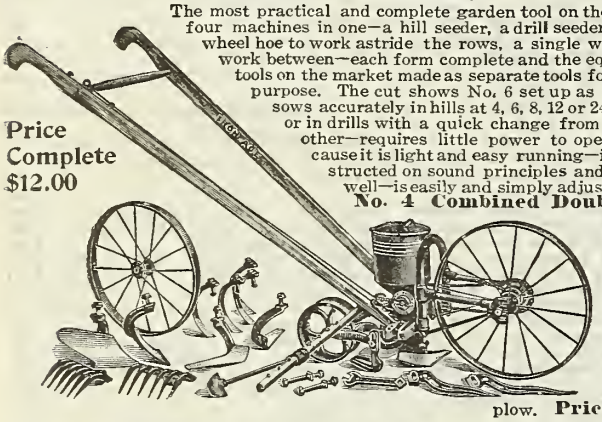
More than 25 years' experience selling garden tools has shown us that the "Iron Age" line is the best in every way. Built right, of the best materials obtainable and designed to do all the sowing and cultivating necessary in a first-class garden. They are complete adaptable tools—the kind you don't want to part with after you have once used them and know what they will do for you.

Transportation charges prepaid to any railroad stations in the United States within 500 miles of Chicago or New York, on order for "Iron Age" tools, or for seeds and tools amounting to $7.50. (Seeds not prepaid unless so offered on other pages.)

No. 6 Combined Double and Single Wheel Hoe, Hill and Drill Seeder.

Price Complete $12.00

The most practical and complete garden tool on the market—four machines in one—a hill seeder, a drill seeder, a double wheel hoe to work astride the rows, a single wheel hoe to work between—each form complete and the equal of any tools on the market made as separate tools for separate purpose. The cut shows No. 6 set up as a seeder—sows accurately in hills at 4, 6, 8, 12 or 24 ins. apart or in drills with a quick change from one to the other—requires little power to operate it because it is light and easy running—is well constructed on sound principles and will wear well—is easily and simply adjusted.



No. 4 Combined Double and Single Wheel Hoe, and Drill Seeder is like No. 6 except it sows in drills only and has a different plow. **Price $11.00.**

No. 15 Combined Single Wheel Hoe, Hill and Drill Seeder

Price Complete $11.00

A thoroughly practical and complete combination. Will accomplish about all the work of the No. 6, except that it is a Single Wheel Tool. Takes about same tools and attachments as the No. 6. In its Seeder form sows either way, in drills or hills. Has strong hollow steel tube frame, the 16 in. wheel and is simply and easily changed and adjusted. When wanted as Hill and Drill Seeder only, order No. 16. **Price, $8.50**

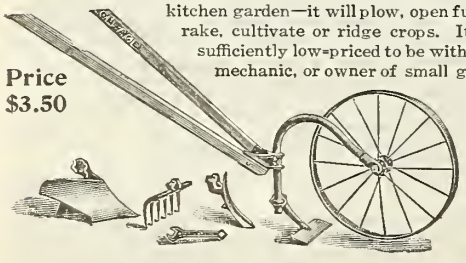
No. 17 Combined Single Wheel Hoe and Drill Seeder is same as No. 15 except that it has no hill-dropping device. **Price $10.00.**

If wanted as Drill Seeder only, order No. 18. **Price, $7.50**

No. 12. Wheel Plow and Cultivator.

Price $3.50

An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. It is not a cheap tool but is sufficiently low-priced to be within the reach of any laborer, mechanic, or owner of small garden with little money to invest in tools, or time to spare for anything but straight ahead cultivation.

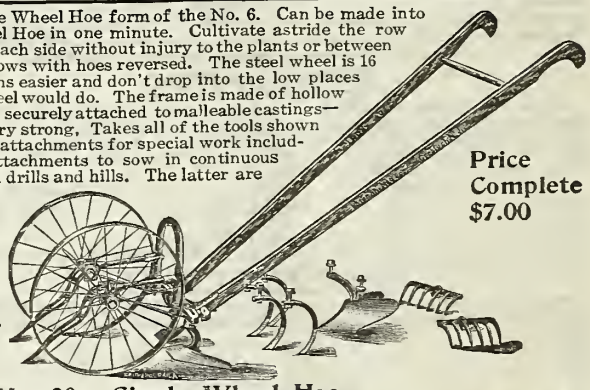


No. 11 Wheel Plow and Cultivator is practically the same tool except furnished with plow only—a good tool to turn over the soil in the chicken yard. **Price, $2.50.**

No. 1 Combined Double and Single Wheel Hoe.

Price Complete $7.00

This is the Wheel Hoe form of the No. 6. Can be made into Single Wheel Hoe in one minute. Cultivate astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The steel wheel is 16 in. high, runs easier and don't drop into the low places as a low wheel would do. The frame is made of hollow steel tubing, securely attached to malleable castings—light and very strong. Takes all of the tools shown and various attachments for special work including Drill Attachments to sow in continuous rows or both drills and hills. The latter are $4.00 and $5.00 respectively. If this Wheel Hoe is wanted plain with hoes only, order as No. 3. **Price, $4.25.**



No. 20 Single Wheel Hoe.

Price Complete $6.00

Thn Wheel Hoe form of No. 15. Tools include side hoes, cultivator teeth, rakes and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. When wanted plain, with side hoes only, order No. 21. **Price, $4.00.**

No. 25 Fertilizer Distributor and Attachment.

Capacity 4 quarts. Sows across the bottom of the furrow, or on either side or as side dressing for the growing crop. Side dressing is practiced more each year—forces maturity of the crop, making it more tender and salable. This attachment makes a complete practical tool at small expense.

This attachment is made to be applied to frame of the No. 20 Single Wheel Hoe. **Price, $4.50**

If wanted complete with frame wheel and handles. **Price, $8.00**

Price, Attachment, $4.50

IRON AGE

Ask for 1913 Booklets. Sent Free

No. 19 C Wheel Cultivator and Plow

Price No. 19 C $3.50

24-inch Wheel Steel Frame; Adjustable Handles.

The working tools include set of three cultivating teeth, separate wide and narrow cultivating teeth, scuffle hoe, and landside plow.

SPECIAL DELIVERY

By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make QUICK SPECIAL DELIVERY of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.

NEW PERFECT INDEX

New Model Seed Drill.

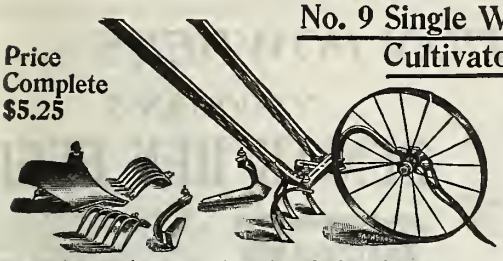
Price, Complete $8.00.

New Model Seed Drill.

Popular with seedsmen and market gardeners. Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

No. 9 Single Wheel Hoe, Cultivator, Plow and Rake.

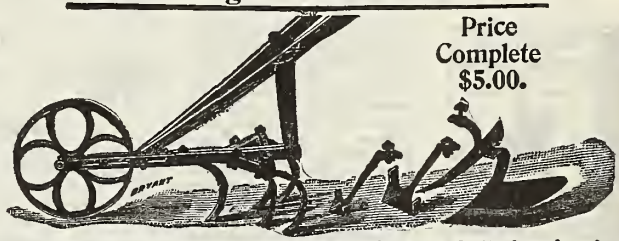
Price Complete $5.25



For the kitchen, garden and poultry yard — there is use for it during all of the busy months. While it is a single wheel hoe, young plants can be hoed on each side at the same time, by placing the wheel on left side of frame. Complete set of tools furnished. If wanted with side hoes only, order No. 10. Price, $3.25.

"Gem" Single Wheel Garden Hoe.

Price Complete $5.00.



A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.

No. 10 Wheel Hoe—A Good Tool With Which to Work Onions.

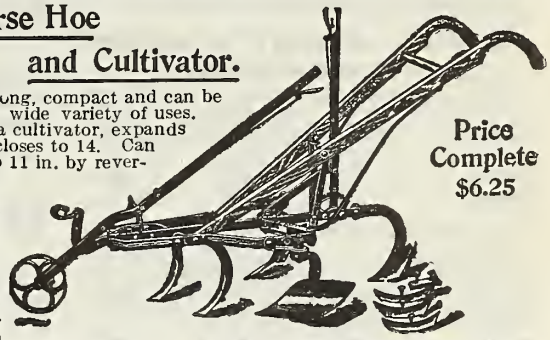
No. 10--Price $3.25

This is merely one form of No. 9, adapted to special work, but may be used in any kind of hoeing. Also note that

No. 18 B Iron Age Drill

is fitted with special opening Plow, which allows sowing seed for Onions, other than sets, in very narrow rows. This does away with hand weeding, as No. 10 can hoe close without injuring the plants. Price No. 18 B, $7.50.

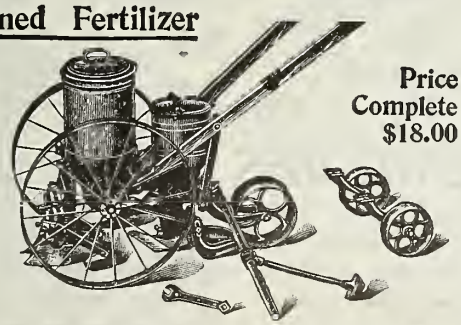
No. 6 Horse Hoe and Cultivator.



Price Complete $6.25

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel, Price $5.75, or with plain wheel and without lever expander, Price, $5.00.

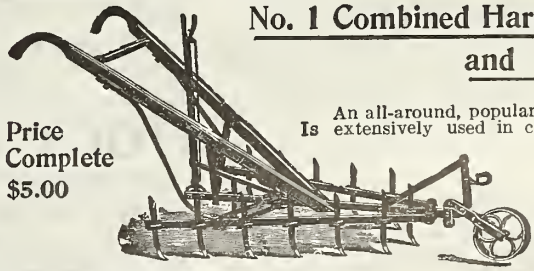
No. 22 Combined Fertilizer Distributor, Hill and Drill Seeder.



Price Complete $18.00

Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed — no stoppage from small lumps. Coverers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 6 and 15. Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.

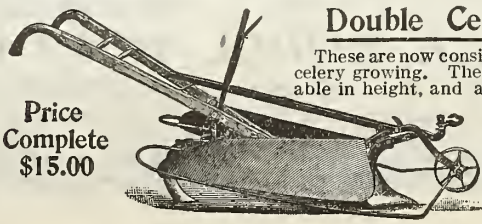
No. 1 Combined Harrow and Cultivator.



Price Complete $5.00

An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, Price, $4.50.

Double Celery Hiller.



Price Complete $15.00

These are now considered indispensable in celery growing. The leaf lifters are adjustable in height, and are especially valuable for first workings. Fitted with lever wheel, hilling blades, 43 inches long, adjustable in height or width as wanted.

Note: New Line of

IRON AGE BARREL SPRAYERS

is shown on page 151

POULTRY REMEDIES

VAUGHAN'S GOOD HEALTH FOR POULTRY

A positive cure and preventive for colds, sore mouth and canker, sore eyes, sore breast, back or shoulders, cracked heels, trush, wounds, cuts, sores, saddle galls and roup.

Large Bottle.....$0 50
Small Bottle..... 25

VAUGHAN'S MAGIC LIQUID ROUP AND CHOLERA CURE

Every poultry raiser should have a can of it; don't wait until the roup makes its appearance. It will be found a good preventive if a small quantity is put in drinking water.

½ pint can.....$0 25
1 pint can..... 50

CONKEY'S LICE LIQUID.

There are a great many poultrymen who do not seem to understand that the Mite requires entirely different treatment than the ordinary louse. There is no powder made that will entirely rid you of the Mite, and until you are rid of him he will multiply until every fowl you have is rendered useless from exhaustion. In our opinion, the Mite will do more to reduce the profit of your fowls than all other varieties of vermin combined. Conkey's Lice Liquid will immediately destroy these terrible pests and will rid your poultry house of its greatest profit killer.

Price, 1 qt. can, 35c; ½ gal. 60c; gal. $1.00.

Conkey's Noxicide. Disinfectant, deodorant and germ diastase. Price, 1 pt. 35c; 1 qt. 60c; 2 qt. 90c.

Sandford's Liquid Lice Killer. Successfully exterminates lice. Price, 1 qt. 35c; ½ gal. 60c; 1 gal. $1.00.

Zenith Fly Knocker. Instant relief from summer pests. Price, 1 qt. 35c; ½ gal. 60c; 1 gal. $1.00.

Conkey's Head Lice Ointment. Price, 1 oz. 10c; 3 oz. 25c.

Conkey's Lice Powder. It is also an effective disinfectant. Price, 15 oz., 25c; 48 oz. 50c; 100 oz. $1.00.

Sandford's Lice Powder. Price, 15 oz. 25c; 48 oz. 50c; 100 oz. $1.00.

Conkey's White Diarrhoea Remedy. Mailing weight, small, 4 oz; large, 7 oz. Price, large box 50c; small box 25c.

Conkey's Roup Cure. Mailing weight, small, 5 oz; large, 11 oz. Price 50c and $1.00, postpaid.

Vaughan's Roup Cure. Positive cure. Mailing weight, small, 5 oz; large, 11 oz. Price, small size 50c; large size $1.00.

Conkey's Poultry Tonic. A general invigorator. Mailing weight, 28 oz. Price 25c.

Conkey's Poultry Worm. Mailing weight about 6 ozs. Price per can 50c.

POULTRY FEEDS AND CONDITION POWDERS

VAUGHAN'S ZENITH CONDITION POWDER.

As the name implies it stands at the head of Condition Powders. It is scientifically compounded, thoroughly balanced and perfectly pure and free from any harmful substance. In this day of egg production, it stands to reason that a condition powder given at intervals of 2 or 3 days apart is a great benefit to keep the fowls in the pink of condition and enables them to bear up under the egg-forcing process.

5 oz. box .....15c 2¼ lbs. box 25c
6 lbs.....50c

Full directions for feeding on each package.

VAUGHAN'S GROUND BEEF SCRAPS

Or Prepared Meat for Poultry

This is the finest thing we know of to cause hens to lay during the winter. Feed 3 times a week at the rate of 1 oz. to each fowl, mixed with the daily mash.

As high prices for eggs prevail at this season of the year it makes very profitable feeding.

100 lbs.....$3.25 25 lbs.....$1.15
50 lbs..... 1.80 5 lbs..... 25

VAUGHAN'S MEAT AND BONE

This is a special preparation containing all the elements of our meat meal with the addition of fine ground bone, for the purpose of furnishing more lime to laying hens and producing a food of great strength and growing properties for maturing stock.

100 lbs.....$3.00 25 lbs.....$1.15
50 lbs..... 1.80 5 lbs..... 25

DRIED BLOOD MEAL

100-lb. bags, each.....$3.40
50-lb. bags, each..... 1.85
25-lb. bags, each..... 1.15
5-lb. cartons, each..... 25

CRUSHED OYSTER SHELLS

100 lbs.....$0.85 25 lbs.....$0.25
50 lbs..... .50 5 lbs..... .10

GROUND BONE

200 lbs.....$4.75 25 lbs.....$0.75
100 lbs..... 2.50 5 lbs..... .25
50 lbs..... 1.50

GROUND RED PEPPER

Mix this with red albumen for a worm food.

Per lb.....$0.35

CHARCOAL

Coarse Ground or Granulated.

100 lbs.....$2.25 10 lbs.....$0.50
50 lbs..... 1 25 1 lb..... 10

HULLED OATS

100 lbs.....$3.40 25 lbs.....$1.25
50 lbs..... 1.85 4 lbs..... .25

CRACKED CORN

Valuable for mixing and feeding with other grains.

100 lbs.....$2.00 25 lbs.....$0.60
50 lbs..... 1.00 5 lbs..... .20

HARD RED WHEAT FOR PIGEONS

Extra choice recleaned seed.

100 lbs.....$2.75 5 lbs.....$0.25
25 lbs..... 1.60

TARES OR VETCHES

Used extensively for feeding pigeons.

100 lbs.....$5.25 5 lbs.....$0.40
25 lbs..... 1 60

PHEASANT'S FOOD

100 lbs.....$5.75 25 lbs.....$1.65
50 lbs..... 3.00 5 lbs..... .35

SPRATT'S GAME MEAL

100 lbs.....$6.00 25 lbs.....$1.90
50 lbs..... 3.25 5 lbs..... .40

VAUGHAN'S ZENITH HEN FEED

It contains no grit, no shell or other weight-making ingredients. Every ounce of Zenith Feed is an ounce of pure grain.

Vaughan's Zenith Hen Feed is a very superior mixed feed which meets all the requirements of maturing chicks and laying hens. The feed is composed of only sound, sweet grain, as we never use any damaged grain in this feed.

The mixture is made carefully and scientifically and is the cleanest and best balanced ration on the market. Not only do we use great care in choosing the grain, but after thorough mixing, we thoroughly clean from all dust and too finely-ground particles by means of our electric dusting apparatus. We thus insure our customers a food that has a minimum of waste.

Because Zenith is an all-grain mixture it is advisable in feeding to supply, in addition, Grit, Bone, Meat Meal, Charcoal and Green Food. If fed in a litter of cut clover or hay, scratching is necessary and is an extremely beneficial exercise for the poultry.

100 lbs.....$2 35 25 lbs.....$0 75
50 lbs..... 1 25 10 lbs..... 35
5 lbs..... 20

CONKEY'S LAYING TONIC

Price, 1½-lb. pkg.....25c 3¼-lb. pkg.....50c

PRATT'S POULTRY FOOD

25-oz. pkgs., Each..$0.25 5-lb. pkgs., Ea..$0.50
25-oz. pkgs., per doz. 2.50

ALFALFA CLOVER MEAL

100 lbs.....$2.00 25 lbs.....$0.75
50 lbs..... 1.15 10 lbs..... .40

YANKEE CORN

100 lbs.....$2.50 10 lbs.....$0.45
50 lbs..... 1.50 5 lbs..... .25
25 lbs..... .90

STOCK REMEDIES

Conkey's Stock Vigor. For Cows, Calves, Horses, Sheep and Swine. Price, 12lb Pail, $2.00; 5-lb. Pkgs., $1.00; 2¼ lbs., 50c; 1 lb., 25c.

Conkey's Worm Remedy. Most effective cure. Mailing weight 13 ozs. Price 50c.

Conkey's Horse Tonic. A stimulating medicine. Price $1.00.

Conkey's Heave Cure. Tones back to a healthy condition. Mailing weight, 14 ozs. Price $1.00.

Conkey's Colic Remedy. Best. Small, 8 ozs, large, 1 lb. Price 50c and $1.00.

Conkey's Fistula and Poll Evil Remedy. Price $2.00.

Conkey's Eye Remedy. For sore, inflamed or weak eyes. Price 50c.

Conkey's Distemper and Cough Remedy. Small, 7 oz. large 15 oz. Price 50c and $1.00.

Conkey's Healing Powder. Wonderful Gall Cure. Small, 4 ozs, large 7 ozs. Price 25c and 50c.

Weights given on these remedies are of packages packed for mailing

Conkey's Gall Salve. A healing ointment for sores. Small, 6 oz, large, 11 oz. Price 25c and 50c.

Conkey's Pain Lotion. For soreness. Price 50c.

Conkey's Hoof Remedy. Keeps your horse's feet in nice shape. Small, 19 oz, large 2 lbs. Price 50c and 75c.

Conkey's Absorbent. Takes the place of blistering and firing. Price $1.00.

Conkey's Bag Ointment. Penetrating and softening. Small, 6 oz, large, 12 oz. Price 25c and 50c.

THE MODEL PORTABLE POULTRY HOUSE

AN ORNAMENTAL AND EFFECTIVE HENERY FOR BACK YARDS

An All-Year-Round Fresh Egg Plant requiring but little space to properly house a small flock of chickens, with a fifty per cent better egg yield than the free run plan. Roosting quarters and runway commodious. Warm and durable. Easily moved. Made in two sizes.

No. 1. Ground space 3x12 feet; capacity 10 to 12 fowls, according to breed. Wood. Weight crated, 450 lbs. F. O. B. factory...$20.00

No. 2. Ground space 3½x16 feet; capacity 15 to 18 fowls, according to breed. Wood. Weight crated, 550 lbs. F. O. B. factory.. 24.00

VAUGHAN'S POULTRY DEPARTMENT

PRAIRIE STATE INCUBATOR

The improved Prairie State Incubators are not only the most successful hatchers, but are honestly made—dependable, durable machines through and through. They are made to adjust themselves automatically to existing conditions, and consequently they overcome the possibilities of neglect or ignorance of the operator. This means a great deal, as even the expert operator is liable to forget his machine.

In building the improved Sand Tray Prairie State we have covered every possibility that might arise which would work detrimentally to the final result, thus getting the highest number of strong chicks from the eggs set.

While it is neat and attractive in appearance, the Sand Tray Prairie State Incubator is built to work, rather than to be ornamental. It is made from the most suitable and durable material for the purpose that will insure long life to the machine and a minimum of repairs with economical working conditions, both of oil and time. It is so planned as to be easy of access to all of its parts. The machine is thoroughly insulated to resist all sudden changes of temperature from outside the incubator.

We call particular attention to the following essential features of the machine, many of which are new and exclusive with the Prairie State.

The eddy current or automatic gravity heat distributor secures an even, rapid distribution of pure warm air to all parts of the machine, giving that perfect ventilation so necessary for the hatching of strong chicks. To further insure an abundance of oxygen, the incubator is built with a larger air space above and below the eggs than any other machine. A new triangular, toggle-joint, thermostatic, automatic, heat regulator, with five times the thrust of any thermostat heretofore used, prevents overheating of the egg chamber.

The machine is provided with a warm nursery, so that chicks can be incubated and the nursery used in the very coldest of incubator rooms. A slot on the side gives to the nursery the supplementary ventilation for drying off and hardening the chicks before removing to the brooder.

The sand trays used in the Prairie State supply automatically the amount of moisture which a hen gives and which nature requires for a successful hatch. It provides more than double the quantity of moisture furnished by any other machine, and yet does not produce an excess of humidity, as the trays, being from 10 to 15 degrees lower temperature than the eggs, cannot saturate the air completely. The variation in the relative humidity in this machine is very slight

For all-around adaptability, ease of operation, and thorough reliability, the Prairie State Incubator has no equal. To meet the needs of poultry raisers, four different sizes are offered as follows:

No. 0.—Diffusion, 100 hen eggs—87 lbs. net weight; 135 lbs. crated..... **$18 00**
No. 1.—Diffusion, 150 hen eggs—108 lbs. net weight; 160 lbs. crated..... **22 50**
No. 2.—Diffusion, 240 hen eggs—175 lbs. net weight; 240 lbs. crated..... **32 00**
No. 3.—Diffusion, 390 hen eggs—220 lbs. net weight; 275 lbs. crated..... **38 00**

INCUBATOR JUNIOR, No. 2

The No. 2 Junior Incubator is a good low-priced machine. It has the highest hatching power of any machine on the market, outside of the "Radio-Diffusive" Prairie State; in all respects being equal, except it does not have as heavy a case, nor will it operate in a room of as high a temperature That is, we do not mean to say the machine cannot be operated in a warm room, but when operated in a warm room the lamp has to be turned down, whereas in the other machine it does not.

This machine has every automatic feature that could be incorporated in an incubator without the multitude of parts to confuse the user. It comes the nearest to putting in your eggs and taking out your chicks of any incubator with which we are acquainted,

No. 2.—Junior—115 hen eggs capacity—70 lbs. net weight; 95 lbs. crated....**$15 00**

PRAIRIE STATE UNIVERSAL HOVERS

This device is what is used in Prairie State colony brooders. On account of its adaptability to so many varying conditions and the fact that it furnishes the heat needed in all kinds of weather makes it valuable to everybody.

The hover can be used in any style of box, brooder or colony house, having two feet square or more of space—requires no cutting of floors, furnishes a top heat and does not weaken your chicks with the bottom heat.

Hover with lamp case, smoke conductor, lamp and thermometer..... **7 00**
When used indoors alone, lamp case is not required.
Hover and lamp with smoke pipes..... **6 00**
With regulator attached, $1.00 extra.

PRAIRIE STATE COMBINATION COLONY BROODERS

The proper device for raising is just as necessary as a good machine for hatching. The three styles of the Prairie State Combination Colony Brooders we offer are the best obtainable for the purposes for which they are adapted.

No. 1 Combination Colony Brooder. For outdoor use this machine has no equal. Being carefully built it maintains the desired temperature as well as the best ventilation under all the varying conditions of weather. Zero weather has no ill effects and you can rest assured that your chicks are safe and comfortable either with a rain, hail or snow storm raging outdoors. Large and convenient, it is all one could desire; the sanitary conditions are easily maintained because of the plan of construction. Has two compartments.

Price, Floor Space, 36x72 inches—weight crated, 300 lbs..... **$20 00**

No. 2 Combination Colony Brooder. The sides and floor of this outdoor brooder are made of tongued and grooved chestnut or poplar boards one inch in thickness. The roof of one-half inch boards with dead air space and heavy straw-board insulator, all of which is covered with the best quality of roofing tin, carefully fastened with nails and covered with several coats of best grade anti-rust paint. The whole roof being hinged, may be easily removed to reach the interior. Provided with two compartments the same as No. 1. Can be used in or outdoors.

Price, Floor space 30x60 inches, weight crated, 208 lbs..... **$16 00**

No. 3 Combination Colony Brooder. This brooder is constructed on the same general plan and lines as No. 2, but without the partition, and has proven equally satisfactory in practical use either for indoor or outdoor purposes.

Price, Floor space 27x48 inches—weight crated, 150 lbs..... **$12 00**

HOUDANS

PRICES of STOCK for BREEDING Furnished on Application

SPECIAL DELIVERY SERVICE

All Poultry Orders amounting to $3.00 or over we deliver free anywhere within 25 miles of our Chicago store—oyster shells and grit excepted, unless accompanied by general order. This does not apply to goods sold at wholesale or in cases where a special price is quoted. Outside 25-mile limit, prices F. O. B. Chicago.

POULTRY BOOKS

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Money in Broilers and Squabs. By M. K. Boyer. Best Book Published..... **50**
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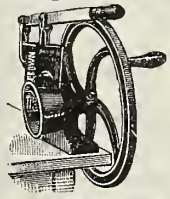
The Wyandottes—Silver, Golden White, Buff and Partridge. By experts. 160 pp..... **1 00**

POULTRY SUPPLIES

BONE CUTTERS

Humphrey's Bone Mill. Open hopper, Four cutting knives.



Crown Bone Cutter

No. 1. Hand Power.....**$12 00**
No. 2. Power only..... **13 50**
No. 2½ Hand and Power.. **15 00**

Crown Bone Cutter. Machine for 50 to 100 hens.

Weight with stand, 80 lbs. Price..... **8 00**
Weight without stand, 50 lbs. Price..... **6 50**

Mann Bone Cutter. No. 5B. For bench use. Price, **$8.00.** No. 7 is intended for a flock of 50 to 100 hens. Weight, 107 lbs. Price, **$12.00.**

Wilson Dry Bone Mill. Grinds grain, stone, etc. Price, without stand, **$5.00;** weight, 33 lbs. Price with stand, **$7.00;** weight 64 lbs. Diameter of hand wheel 22 inches.

Wilson No. 0 Grist Mill, without stand, weight 30 lbs. Price, **$5.00.** With stand, weight, 60 lbs. Price, **$7.00.**

Humphrey Clover Cutter. Balance wheel makes work easy. Price, **$10.00.**

Caponizing Sets. Book of Instruction with every set. Philadelphia Caponizing Set, complete, **$2.50.** Farmer's Caponizing set, complete, **$3.00.** Special Caponizing set complete, mailing weight 8 ozs; **$4.00.**

Success Whitewash and Spray Pump. Price, complete, **$4.00.**

O-2. Whitewash Sprayer. Compress Air. Price, **$6.50.**

Spring Lever Poultry Punch. Best punch made. Price, postpaid, **27c.**

Leader Adjustable Leg Bands. Prices, doz. **15c;** 25, **25c;** 50, **40c;** 100, **75c;** postpaid.

Improved Champion Leg Bands. Prices, doz., **15c.;** 25, **25c.;** 50, **40c.,** 100, **75c.,** postpaid.

Smith Sealed Leg Bands, Prices, doz..**30c.,** 25, **50c.,** 50, **$1.00;** 100, **$1.50.**

Sealers. For Smith-sealed Leg Bands. Mailing weight 5 ozs. Prices, Plain **50c;** Nickeled, **75c.**

Wire Hen Nests. Each. **15c.;** ½ - Doz., **75c.,** Doz., **$1.50.**

Porcelain Nest Eggs. **3c.,** each; 2 for **5c.;** Doz., **25c.**

Vaughan's Pigeon and Poultry Fountain. Price, ½ gal. size, **50c.;** 1 gal. size, **75c.;** 2 gal. size, **$1.25.**

Peerless Hot Water Drinking Fountain. Price, **$1.60**

Prairie State Fountains. Made of galvanized iron. 1-qt., each, **20c;** doz. **$2.00** 1-gal., each, **35c;** doz. **$3.25** 2-qt., each, **25c;** doz. **$2.50** 2-gal., each, **50c;** doz. **4.75**

Vaughan's Earthenware Fountain. Prices, 1-quart each, **20c.;** doz., **$2.25;** 2-quart. each, **30c.;** doz., **$3.35;** 4-quart, each, **40c.,** doz., **$4.50.**

Vaughan's Grit and Shell Box. Price, **50c.;** per doz., **$5.50.**

Wooden Feed or Grit Box. Only one space, Price, **35c**

Vaughan's Dry Food Hoppers. Heavy Galv. Iron. Price, **75c.** each.

Hub Chick Feeder. Absolutely sanitary. Price, 9-in. feeder, **35c.;** 15-in feeder, **50c.**

American Feed Pan or Water Trough. No. 1—Size, 18 inches long, **50c.;** No. 2—Size, 24 inches long, **75c.;** No. 3—Size, 36 inches long, **$1.00.**

Reliable Egg Carrier. A. No. 1. Fillers, each, **50c.;** per doz., **$4.25.**

Square Style Egg Carrier. Per doz., **15c.;** 25 for **25c.;** 50 for **50c.;** 100 for **85c.;** 1000 for $8.00.

Vaughan's Exhibition Coop. Price, trio size, **$2.00;** Pen size, $2.25.

All Wood Shipping Coops. Best on the market.

No.	Length	Width	Height	Each	Per Doz
1	12	18	18	$0 30	$3 25
2	18	18	18	35	3 65
3	12	21	21	35	3 75
4	18	21	21	40	4 50
5	24	21	21	50	5 50
6	30	21	21	55	6 00

PIGEON SUPPLIES

Jersey Perch. Best on the market. Each, 6c.; Doz., 65c.

Vaughan's Pigeon Food. Put up as follows:
5-lb. cartons.....**$0 25** 50-lb. sacks.....**$1 50**
25-lb. sacks..... **1 00** 100-lb. sacks..... **2 50**

Foust's Health Grit. An all-around condition powder. 5 lbs., **25c.;** 25 lbs., **75c.;** 50 lbs., **$1.15;** 100 lbs., **$2.00.**

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Vaughan's Special Purpose Seed Collections

Nowadays when every one is seeking to get the most out of his garden to meet his own needs, we are being called upon more and more frequently to supply our customers with seeds of vegetables and flowers best suited for some specific purpose. To meet this demand we have grouped here only such collections as are designed to fill some specific want. We have selected the very best kinds throughout, and the suggestions made will be found exceedingly helpful. For descriptions you are referred to the vegetable and flower seed departments of this catalog. These collections must be taken as they stand, and no substitutions of other varieties will be made on request of customers. They are made up with our regular sized packets and represent material saving to customers.

THE BLOTTER TEST

Showing the wonderful response Vaughan's Seeds give under one of the severe germinating tests to which samples from every lot of our flower, vegetable and farm seeds are subjected before they are offered to our customers. The seeds are put on a damp blotter, which is then folded over them and placed in a seed tester, where they are kept in an even temperature suitable for their growth.

After sufficient time has elapsed for the sprouting of the seed, the blotters are taken out, opened, and the percentage of seed germination is reckoned. If any sample does not show a high percentage of good growing seed in such a test, the entire lot from which the sample was taken is rejected and other seed secured which will meet our rigid tests.

SEED VITALITY is just as important a question today as careful cultivation. It is for this reason that we spend so much time and money in making the thorough tests of all our seeds. Besides blotter tests we also make soil tests of seed at Western Springs, Ill., and every month send samples to the U. S. Department of Agriculture at Washington, D. C., for government examination.

In addition to these tests, we are trying out novelties of every kind e ch season in our extensive trial grounds at Western Springs, Ill. In this way we ascertain the worth of all new vegetables and flowers being offered and retain only those of real merit, thus protecting our customers from the use of undesirable kinds or paying high prices for something no better than already existing sorts.

Thirty-five years' experience in the sale of seeds, bulbs and plants, teaches us that our customers recognize the importance to them of these tests and trials and heartily appreciate what Vaughan's Seed Store is doing for them in this direction.

VEGETABLE SEED COLLECTIONS.

Many Gardeners desire a succession of one or more varieties of vegetables throughout the growing season. Where there are no early, medium and late sorts of a variety from which a succession can be secured by one planting, successive sowings of the same sort may be used.

Succession Bean Collection

Red Valentine, Stringless Green Pod, Golden Wax and Wardwell's Wax. Make successive sowings of these kinds every two weeks. One 10c packet of each (4) price postpaid **35c.**

Succession Beet Collection

For tender young Beets make successive sowings of Crosby's Egyptian Select, Vaughan's Fireball, Detroit Dark Red and Crimson Globe, one packet of each (4), postpaid **20c.**

Succession Carrot Collection

Early Short Scarlet, Chantenay and Danvers' Select. Sow all at same time. One packet of each (3) postpaid **20c.**

Succession Sweet Corn Collection

Golden Bantam, Early Iowa and Country Gentleman. Sow all at same time, one packet of each (3) postpaid **25c.**

Succession Cucumber Collection

Sow Cyclone and Vaughan's Arlington White Spine at same time and follow with Improved Long Green (Vaughan's selected stock) a month later. One packet of each (3) Postpaid **20c.**

Succession Lettuce Collection

Sow May King and Grand Rapids Forcing at same time in April and follow a month later with All Seasons Lettuce. One packet of each (3) Postpaid **15c.**

Succession Pea Collection

Surprise, Sutton's Excelsior and Improved Telephone, all sown at the same time, give succession through pea growing season, one packet of each (3) postpaid, **25c.**

Succession Radish Collection

Scarlet Globe, Scarlet Turnip White Tipped, Icicle and Brightest Long Scarlet. One packet of each (4) Postpaid, **15c.**

Succession Tomato Collection

Earliana and Dwarf Stone for early and late sorts, and the Yellow Plum Tomato for preserving. One packet of each (3) Postpaid, **15c.**

Vaughan's Pickling Collection

Bean Refugee or 1000 to 1; Beet Detroit Dark Red Turnip; Cucumber Chicago or Westerfield Pickle; Dill; Mango Melon; Onion Vaughan's Pickling; Pepper Red Chili; Tomato Peach. One each of the above (8) Postpaid **45c.**

Early Garden Collection

For an early garden of first quality vegetables the varieties in this collection are very desirable, and with them the alert gardener can feel assured of the first vegetables of the season. The collection includes; Beans, Stringless Green Pod; Beet, Crosby's Egyptian Select; Cabbage Early Jersey Wakefield Carrot, Early Short Scarlet; Sweet Corn, Golden Bantam, Cucumber, Cyclone; Lettuce, Grand Rapids Forcing; Pea, Nott's Excelsior; Pepper, New Sweet Upright Salad; Radish, Earliest Carmine Turnip; Tomato, Earliana. One packet of each of the above (11) Postpaid **65c.**

FLOWER SEED COLLECTIONS

COLOR SCHEME COLLECTIONS

For those who desire to have small gardens or beds of a single color the following collections will be of especial value. The varieties in each collection are arranged in order of height, the dwarfest which may be used for an edge, being first.

Bride's Garden White

Sweet Alyssum Vaughan's Little Gem; Verbena Mammoth White; Aster Branching White; Phlox Dr. Grandiflora White; Nicotiana Affinis; 1 packet of each (5) Price postpaid **25c.**

Sunshine Garden Yellow

Pyrethrum Aureum Golden Feather; Marigold Legion of Honor; Zinnia Mexicana Double; Calliopsis Golden Wave; Sunflower Argyrophyllus; one packet of each (5) postpaid **25c.**

Fire Garden Red

Phlox, Dr. Nana Compacta Fireball; Dianthus Crimson Belle; Linum Grandiflorum Rubrum; Balsam Atrosanguinea Fl. Pl.; Salvia Drooping Spikes; one packet of each (5) postpaid **25c.**

Turquoise Garden Blue

Ageratum Blue Perfection; Nigella Miss Jekyll; Brachycome Iberedifolia Blue; Centaurea Cyanus Double Blue; Aster Branching Purple; one packet of each (5) postpaid **25c.**

Daybreak Garden, Pink

Portulaca Single Pink; Verbena May flower; Dianthus Eastern Queen; Aster Branching Mary Semple; Cosmos Early Flowering Pink; one packet of each (5) posptaid **25c.**

Fragrant Flower Collection

Sweet Alyssum Nicotiana Affinis; Heliotrope Mammoth mixture; Stocks Large Flowering Ten Weeks best mixed; Sweet Peas Prize Mixture; 1 packet of each (5) postpaid **25c.**

Cut Flower Collection

Asters Branching mixed; Antirrhinum (Snapdragon) Special Mixture; Sweet Peas Eckford's Mixture; Calendula Orange King; Zinnia Giant Flowered Mixture; one packet of each (5) postpaid **25c.**

Window Box Collection

Dwarf Nasturtium Special Mixture; Sweet Alyssum; Petunia Howard's Star; Pansy Giant Mixture; Morning Glory Japanese Mixed; one packet of each (5) Postpaid **25c.**

Collection For Edging

Alyssum, Vaughan's Little Gem; Phlox Cecily; Parsley XXX curled; Marigold Legion of Honor; Portulaca Single Mixed; one packet of each (5) Postpaid **25c.**

Annual Climber Collection

Gourds Mixed; Dolichos (Hyacinth Bean) Mixed; Wild Cucumber; Morning Glory Japanese Special Mixed; Canary Bird Vine; 1 packet of each (5) Postpaid **25c.**

Annuals For Shady Places

Early and Late Forgetmenot; Godetia Mixed; Musk Plant; Pansy Giant Mixed; Viola Cornuta Mixed; Nemophila Mixed; Impatiens Holstii; Torenia Fournieri; one packet of each (8) Postpaid **35c.**

Perennial Flower Collections

Aquilegia Vulgaris Double Mixed; Campanula Calycanthema (cup and saucer) mixed; Delphinium Formosum; Dianthus Barbatus (Sweet William) Double Mixed; Shasta Daisy Alaska; Gaillardia Grandiflora Mixed; one packet of each (6) Postpaid **25c.**

THE GLADIOLUS

Easy to grow, sure to bloom. Flowers continuously with successive plantings. Its lasting qualities, a week to ten days, long graceful stems and wonderful range of color have made it the favorite summer cut flower for vases and interior decorations. In the garden, as a back-ground or in borders, it is a source of joy and a delight to the eye.

MRS. FRANCIS KING
(Illustration)

A variety which so leads in all characteristics that had we to limit ourselves to only one Gladiolus, we should choose Mrs. Francis King.

Price each 5 cents, dozen 50 cents, per 100 $3.50 postpaid.

VAUGHAN'S SEEDS